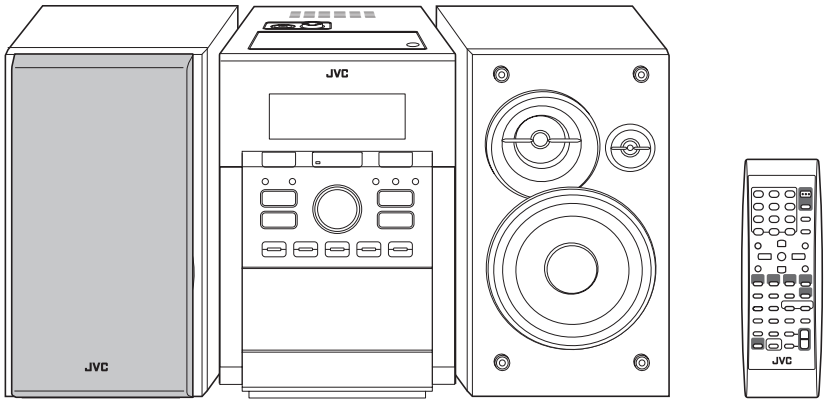
JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-G70A,UX-G70UJ,UX-G70UN



SP-UXG70 CA-UXG70 SP-UXG70

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.MB551
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SPECIFICATION

Amplifier section (CA-UXG70)	Output Power	for A and UN versions	160 W (80 W+80 W) at 6 Ω (10% THD)
		For UJ version	120 W per channel, min. RMS, driven into 6 Ω at 1kHz with no more than 10% total harmonic distortion.
	Audio Input	LINE IN	500 mV/49 kΩ (at "L.IN LVL1") 250 mV/49 kΩ (at "L.IN LVL2") 125 mV/49 kΩ (at "L.IN LVL3")
		GAME IN	500 mV/49 kΩ (for UJ version)
		MIC	1.6 mV/10 kΩ (for UN version)
		Audio OutputLINE OUT	1.0 Vrms (3 kΩ) (at "L.OUT LVL1") 500 mVrms (1.5 kΩ) (at "L.OUT LVL2")
		SUBWOOFER OUT	260 mVrms/3.9 kΩ
		HEADPHONES OUT	17 mW/32 Ω
	Digital output	DVD OPTICAL DIGITAL OUT	-21 dBm to -15 dBm (660 nm ±30 nm)
	USB input		USB AUDIO
	Video output	Color system	NTSC or PAL(interlaced/progressive)
		VIDEO (composite)	1 V(p-p)/75 Ω
		S-VIDEO	Y (luminance) : 1 V(p-p)/75 Ω C (chrominance, burst) : NTSC : 0.286 V(p-p)/75 Ω C (chrominance, burst) : PAL : 0.3 V(p-p)/75 Ω
		COMPONENT	(Y) : 1 V(p-p)/75 Ω (PB/PR) : 0.7 V(p-p)/75 Ω
	Speaker impedance		6 Ω - 16 Ω
	Headphone impedance		16 Ω - 1 k Ω
Tuner section	FM tuning range		87.5 MHz - 108.0 MHz
	AM (MW) tuning range		531 kHz - 1 710 kHz (at 9 kHz intervals) 530 kHz - 1 710 kHz (at 10 kHz intervals)
Tape section	Frequency response		60 Hz - 14 000 Hz
	Wow and flutter		0.15 % (WRMS)
Disc player section	Playable disc		DVD Video/DVD Audio/CD/VCD/SVCD CD-R/CD-RW (CD/SVCD/VCD/MP3/WMA/JPEG/MPEG-1/MPEG-2/ASF/DivX format) DVD-R/-RW (DVD-VR/DVD Video/MP3/WMA/JPEG/MPEG-1/MPEG-2/ASF/DivX format) +R/+RW(DVD Video format) DVD-ROM (DVD Video format)
	Dynamic range		80 dB
	Horizontal resolution		500 lines
	Wow and flutter		Immeasurable
General	Power requirement		AC 240 V , 50 Hz for Australia AC 110 V/AC 127 V/AC 220 V/ AC 230 V-240 V (adjustable with the voltage selector), 50 Hz/60 Hz
	Power consumption	For A and UN versions	95 W (at operation) 18 W (at standby) 3.9 W (at standby display OFF mode)
		For UJ version	90 W (at operation) 14 W (at standby) 1.0 W (at standby display OFF mode)
	Dimensions (approx.)		175 mm × 250 mm × 411 mm (W/H/D)
	Mass (approx.)		7.9 kg
Speakers (SP-UXG70)	Speaker units	Tweeter	1.5 cm dome × 1
		Squawker	4 cm cone × 1
		Woofer	13.5 cm cone × 1
	Impedance		6 Ω
	Dimensions (approx.)		166 mm × 250 mm × 232 mm (W/H/D)
	Mass (approx.)		2.8 kg each

Design and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

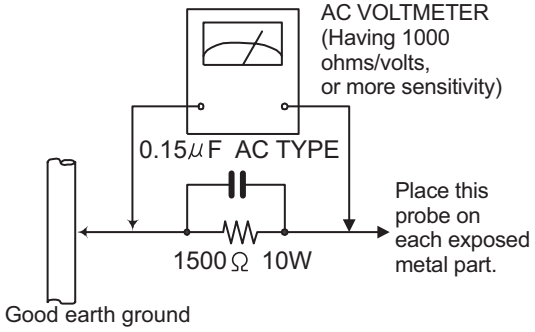
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Preventing static electricity

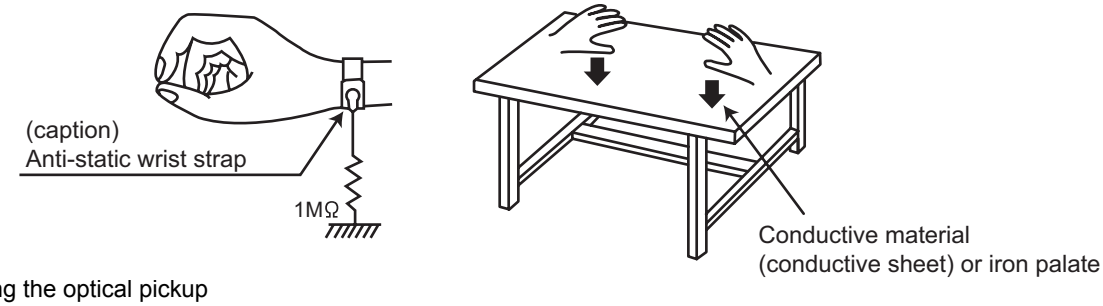
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

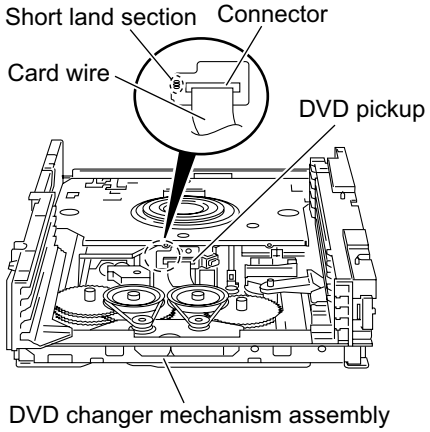
1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.7 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the card wire is disconnected from the connecto on the servo board. (If the card wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the card wire.



1.8 Important for laser products

1.CLASS 1 LASER PRODUCT

2.CAUTION :
(For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.
(Others) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

3.CAUTION : Visible and/or invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

4.CAUTION : This laser product uses visible and/or invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

(For U.S.A.)
CAUTION : Visible and/or invisible class **II** laser radiation when open. Do not stare into beam.
(Others)
CAUTION : Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments

ACHTUNG: Sichtbare und/oder unsichtbare Laserstrahlung der Klasse 1M bei offenen Abdeckungen. Nicht direkt mit optischen Instrumenten betrachten.

ATTENTION: Rayonnement laser visible et/ou invisible de classe 1M une fois ouvert. Ne pas regarder directement avec des instruments optiques.

VOORZICHTIG: Zichtbare en/of onzichtbare klasse 1M laserstralen indien geopend. Bekijk niet direct met optische instrumenten.

ATTENZIONE: Radiazione laser in classe 1M visibile e/o invisibile quando aperto. Non osservare direttamente con strumenti ottici.

VARNING: Synlig och/eller osynlig laserstrålning, klass 1M, när denna del är öppnad. Betrakta ej strålen med optiska instrument.

VARO!: Avattaessa olet alttiina nakyvalle ja/tai näkymättömälle luokan 1M lasersateilylle. Älä tarkastele sitä optisen laitteen läpi.

ADVARSEL: Synlig og/eller usynlig klasse 1M-laserstråling ved åbning. Se ikke direkte med optiske instrumenter.

AVISO: Radiación láser de clase 1M visible y/o invisible cuando está abierto. No mirar directamente con instrumental óptico.

PRECAUÇÃO: Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe directamente com instrumentos ópticos.

PRECAUÇÃO: Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe diretamente com instrumentos óticos.

ПРЕДУПРЕЖДЕНИЕ: В открытом состоянии происходит видимое и/или невидимое излучение лазера класса 1M. Не смотрите непосредственно в оптические инструменты.

UWAGA: Otwarcie spowoduje narażenie na widzialne i/lub niewidzialne promieniowanie lasera klasy 1M. Nie patrzeć bezpośrednio w przyrządy optyczne.

UPOZORNĚNÍ: Při otevření vydává viditelné popř. neviditelné laserové ozáření třídy 1M. Nedívejte se do otvoru přímo s optickými nástroji.

FIGYELMEZTETÉS: Látható és/vagy láthatatlan 1M osztályú sugárzás nyitott állapotban. Ne nézze közvetlenül optikai műszerekkel.

注意：打開蓋板可能會產生可見或不可見的 1M 級鐳射。不要使用光學儀器直接進行窺視。

注意：打开盖板可能会产生可见或不可见的 1M 级镭射。不要使用光学仪器直接进行窥视。

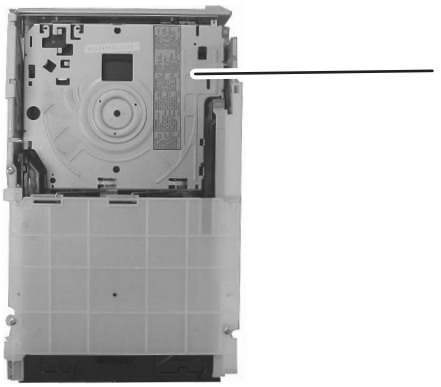
تنبيه: يوجد إشعاع ليزري مرئي و/أو غير مرئي من الفئة 1M عندما يكون الجهاز مفتوحا. تجنب النظر مباشرة داخل الجهاز باستخدام أدوات بصرية.

احتیاط: هنگامی که باز گردد، تشعشع مرئی و یا نامرئی کلاس 1M لیزر وجود دارد. با لوازم چشمی مستقیماً به آن نگاه نکنید.

주의: 개방하면 가시 및/또는 비가시 클래스 1M 레이저 방사선이 나옵니다. 광학 기구로 직접 들여다보지 마십시오.

REPRODUCTION AND POSITION OF LABELS and PRINT

WARNING LABEL and PRINT



CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学装置で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

CAUTION	VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)
ATTENTION	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)
AVISO	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)
VARNING	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)
注意	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学装置で直接見ないでください。 (JPN)
CAUTION	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. (ENG) FDA 21 CFR LV44603-004A

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main Body

3.1.1 Removing the side panel (See Fig.1, 2)

(1) Remove the six screws **A** attaching the side panel. (See Fig.1)
(2) Remove the four screws **B** attaching the side panel. (See Fig.2)

3.1.2 Removing the top cover (See Fig.1, 3, 4)

(1) Remove the one screw **C** attaching the top cover. (See Fig.1)
(2) Remove the two screws **D** attaching the top cover. (See Fig.3)
(3) Disconnect the card wires from the connectors CN710, CN707 of the main board. (See Fig.4)

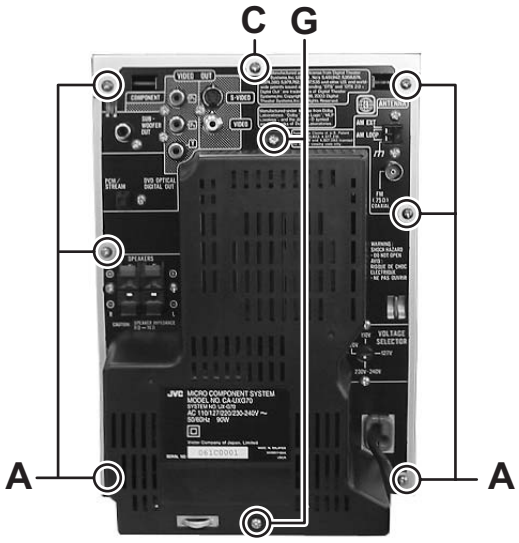


Fig.1

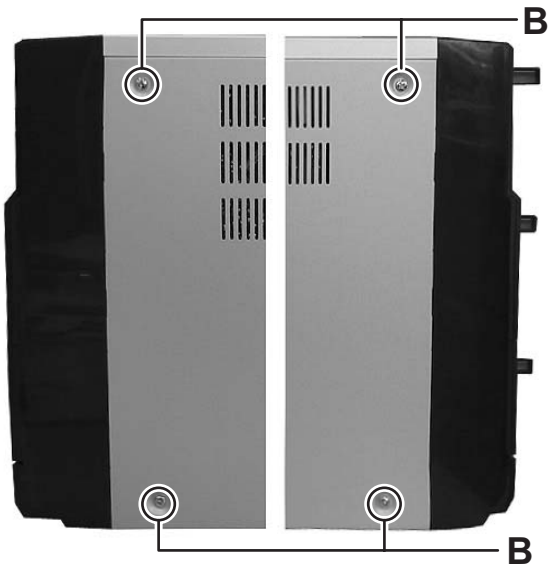


Fig.2

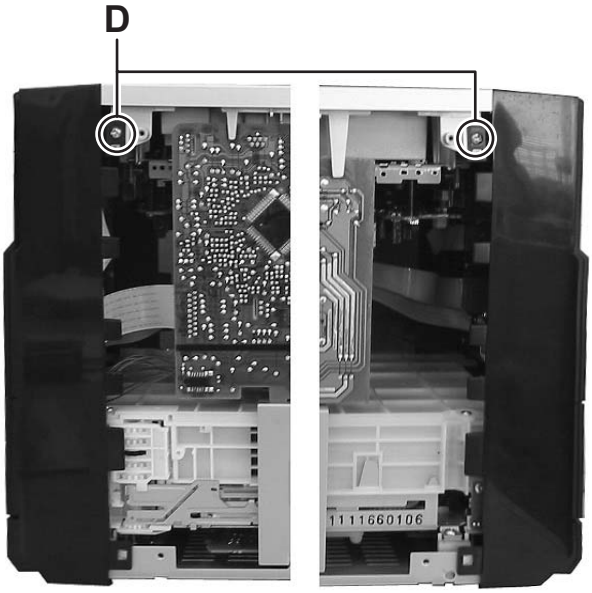


Fig.3

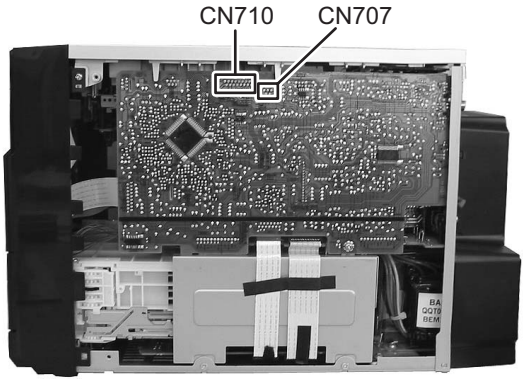


Fig.4

3.1.3 Removing the front panel (See Fig.5 to 7)

(1) Disconnect the card wire from the connector CN359 of the power amplifier board. (See Fig.5)
(2) Disconnect the card wire from the connector CN706 of the main board. (See Fig.5)
(3) Disconnect the connector wire from the connector CN713 of the main board. (See Fig.5)
(4) Remove the two screws **E** and two screws **F** attaching the front panel. (See Fig.6)
(5) Disengage the hook **a**. (See Fig.6)
(6) Disengage the two hooks **b** and then remove the front panel. (See Fig.7)

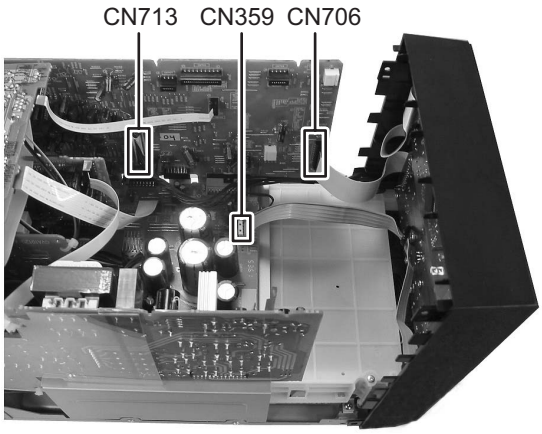


Fig.5

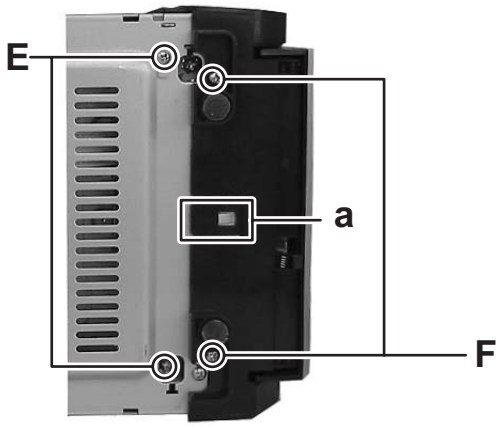


Fig.6

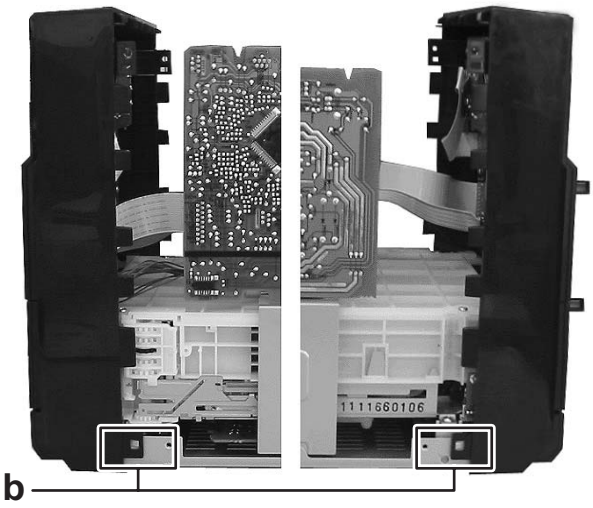


Fig.7

3.1.4 Removing the rear cover (See Fig.1)

(1) Remove the two screws **G** attaching the rear cover.

3.1.5 Removing the video board
(See Fig.8, 9)

(1) Disconnect the card wires from the connectors CN401, CN402 of the video board. (See Fig.8)
(2) Remove the three screws **H** attaching the video board. (See Fig.9)

3.1.6 Removing the tuner
(See Fig.9, 10)

(1) Disconnect the card wire from the connector CN712 on the main board. (See Fig.10)
(2) Remove the two screws **J** attaching the tuner. (See Fig.9)

3.1.7 Removing the fan
(See Fig.9, 10)

(1) Disconnect the connector wire from the connector CN708 of the main board. (See Fig.10)
(2) Remove the two screws **K** attaching the fan. (See Fig.9)

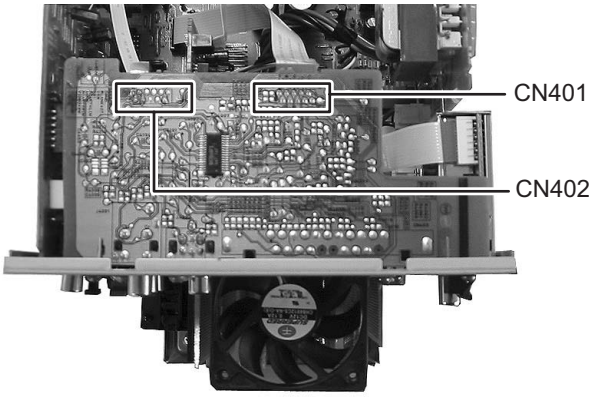


Fig.8

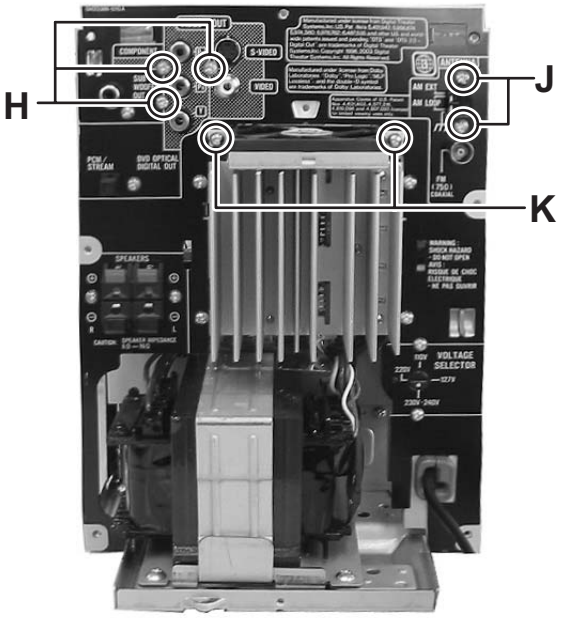


Fig.9

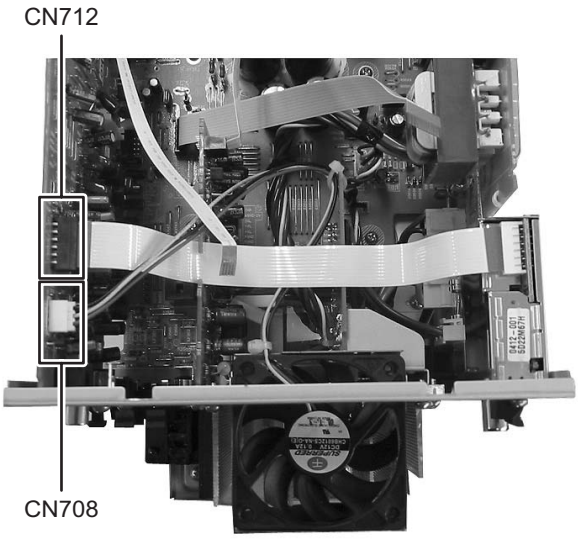


Fig.10

3.1.8 Removing the rear panel (See Fig.11, 12)

(1) Remove the ten screws **L** attaching the rear panel. (See Fig.11)

(2) Disengage the two hooks **c** and then remove the rear panel. (See Fig.12)

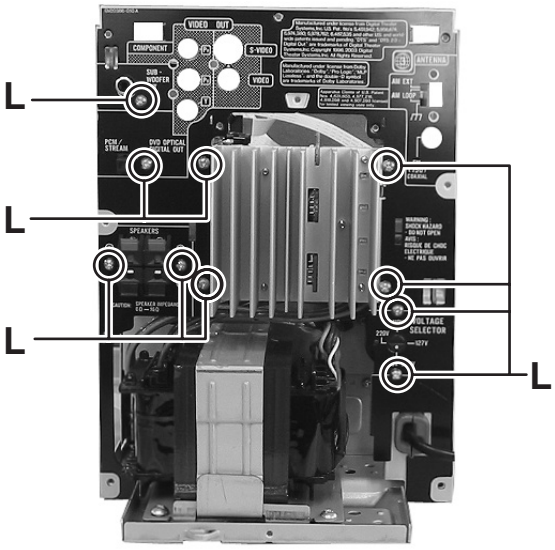


Fig.11

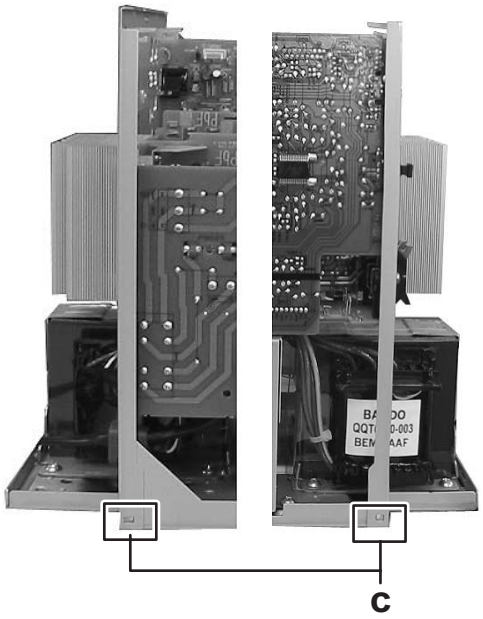


Fig.12

3.1.9 Removing the power supply board
(See Fig. 13)

(1) Disconnect the connector wires from the connectors CN903, CN904 and CN905, CN906 of the power supply board.
(2) Remove the one screw **M** attaching the power supply board.
(3) Disconnect the connector CN901 connecting the power amplifier board and then removing the power supply board.

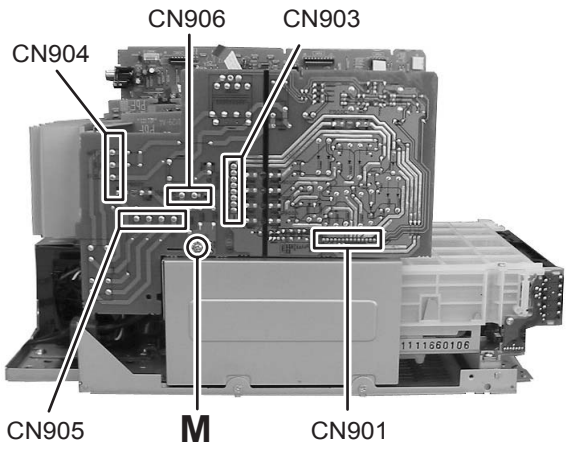


Fig.13

3.1.10 Removing the main board
(See Fig. 14)

(1) Disconnect the card wire from the connector CN703, CN704 of the main board.
(2) Remove the one screw **N** attaching the main board.
(3) Disconnect the connectors CN701 and CN702 of the main board connecting the power amplifier board.

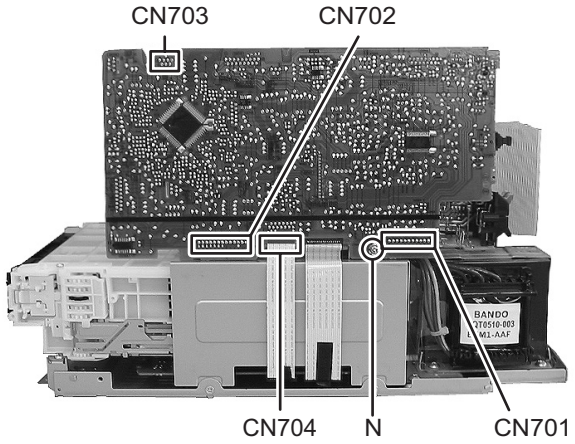


Fig.14

3.1.11 Removing the amplifier board
(See Fig. 15)

(1) Disconnect the amplifier board from the connector CN353 and CN354 of the power amplifier board.

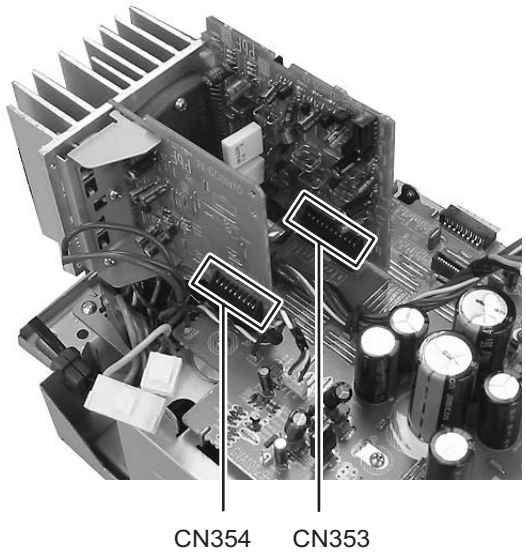


Fig.15

3.1.12 Removing the power amplifier board (See Fig. 16)

(1) Disconnect the connector wire from the connector CN361 of the power amplifier board.
(2) Remove the four screws **P** attaching the power amplifier board.
(3) Disconnect the card wire from the connector CN356 of the power amplifier board.

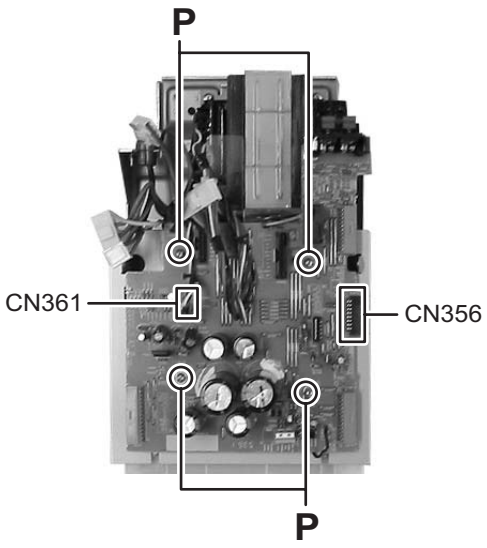


Fig.16

3.1.13 Removing the power transformer (See Fig. 17)

(1) Remove the four screws **Q** attaching the power transformer.

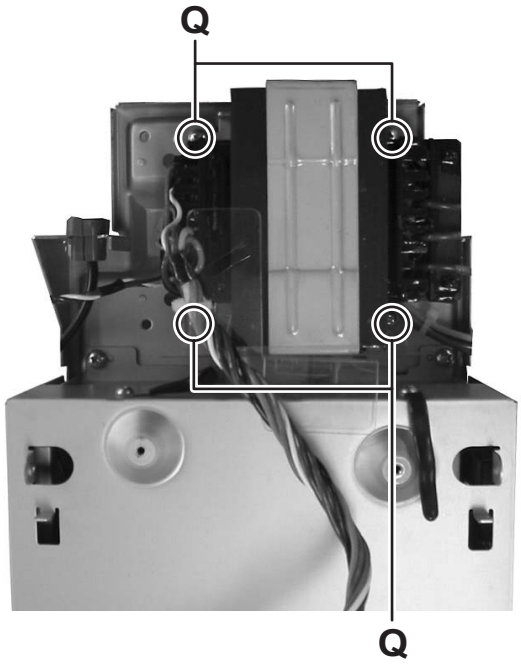


Fig.17

3.1.14 Removing the DVD changer mechanism assembly (See Fig. 18, 19)

(1) Remove the four screws **R** attaching the DVD mechanism assembly. (See Fig.18)

(2) Remove the two screws **S** and two screws **T** attaching the DVD changer mechanism assembly. (See Fig.19)

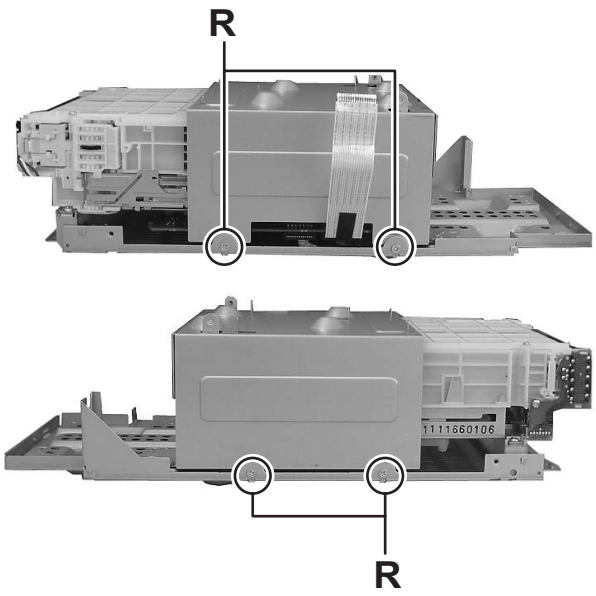


Fig.18

Fig.19

3.1.15 Removing the jack board
(See Fig. 20)

(1) Remove the three screws **U** attaching the jack board.

3.1.16 Removing the FL board
(See Fig. 20)

(1) Remove the four screws **V** attaching the FL board.
(2) Disconnect the card wire from the connector CN100 of the FL board.

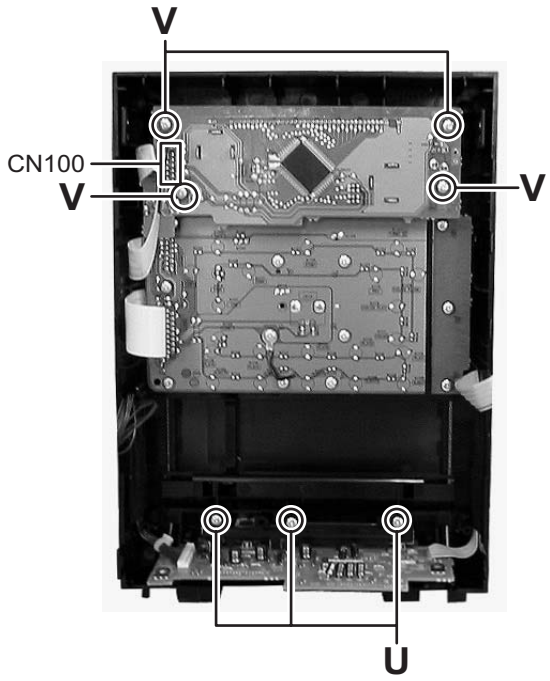


Fig.20

3.1.17 Removing the switch board
(See Fig. 21)

(1) Remove the volume knob.
(2) Remove the twelve screws **W** attaching the switch board.

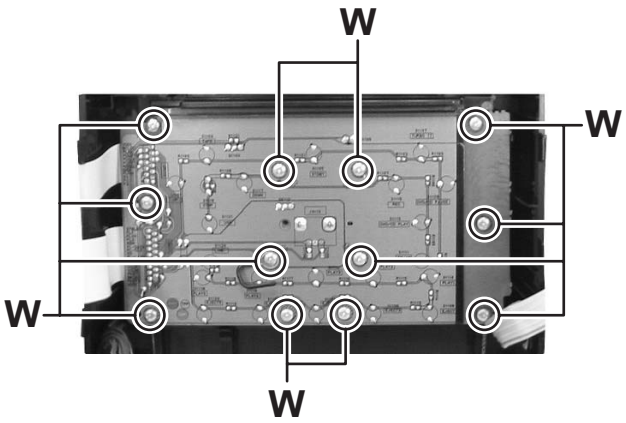


Fig.21

3.1.18 Removing the cassette mechanism assembly (See Fig. 22)

(1) Remove the four screws **X** attaching the cassette mechanism assembly.
(2) Remove the one screws **Y** attaching the earth wire.

3.1.19 Removing the MIC board (See Fig. 22)

(1) Remove the MIC volume knob.
(2) Remove the two screws **Z** attaching the MIC board.

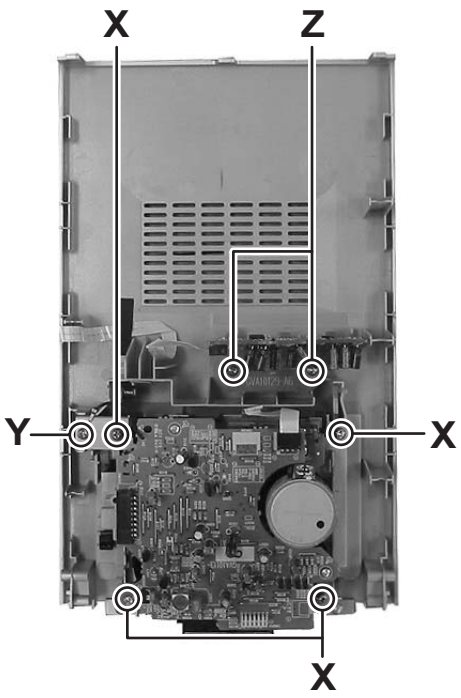


Fig.22

3.2 DVD changer mechanism assembly section

Remove the DVD changer mechanism assembly from the main body. (See "Removing the DVD changer mechanism assembly".)

3.2.1 Removing the tray assemblies (See Figs.1 to 5)

(1) From the top side of the main body, remove the two screws **A** from the top cover and release the two joints **a** on the both sides of the DVD changer mechanism assembly. (See Figs.1 and 2.)
(2) Remove the two rods from the top cover and remove the top cover from the lifter assembly. (See Figs.1 and 2.)
(3) Remove the open det. lever on the left side of the DVD changer mechanism assembly. (See Fig.3.)
(4) From the right side of the DVD changer mechanism assembly, draw out the tray assemblies toward the front while pushing the part **b** of the side (R) assembly. (See Figs.4 and 5.)

Note:
The tray can be locked if all tray assemblies are attached.

(5) From the topside of the DVD changer mechanism assembly, move the stopper tabs **c** in the direction of the arrow and release them. Pull out the tray assemblies from the DVD changer mechanism assembly. (See Fig. 5.)

Note:
Remove the tray assembly from top tray 5 in order.

Reference:
When reattaching the tray assembly, or when removing the disc remaining inside, refer to another section "3.3.15 Taking out the disc in the play mode".

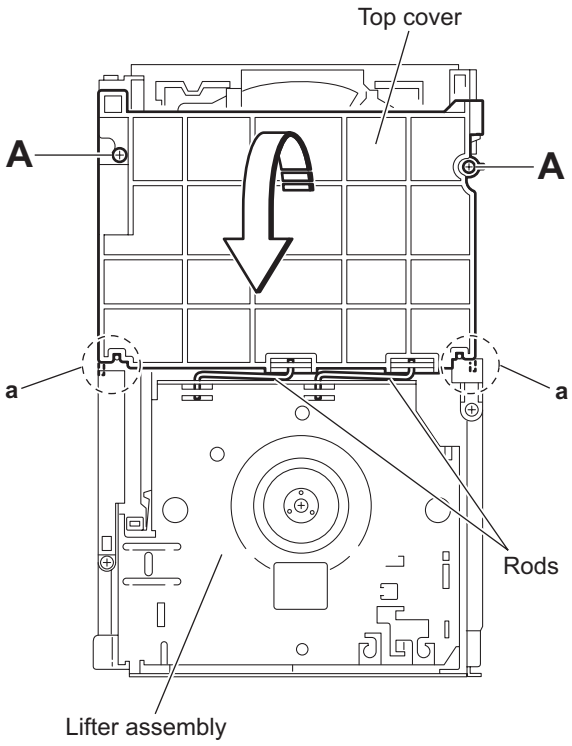


Fig.1

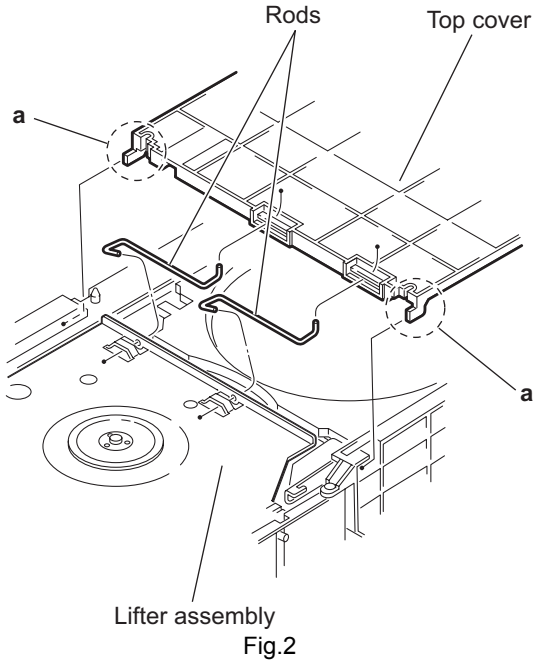


Fig.2

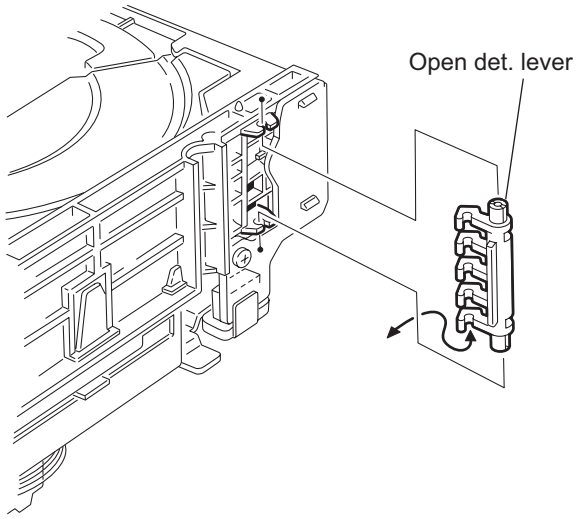


Fig.3

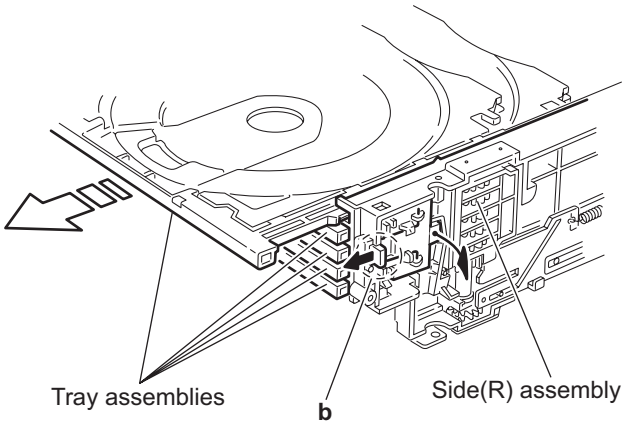


Fig.4

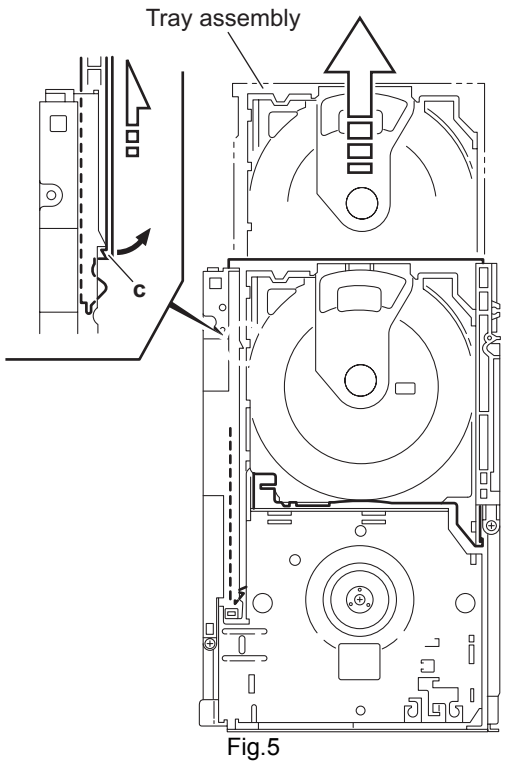


Fig.5

3.2.2 Removing the DVD servo board (See Figs.6 to 8)

Caution:

Solder the short land sections **d** on the DVD pickup before disconnecting the card wire extending from the DVD pickup. If you do not follow this instruction, the DVD pickup may be damaged.

(1) From the topside of the DVD changer mechanism assembly, solder the short land sections **d** on the DVD pick up. (See Fig.6.)

(2) From the bottom side of the DVD changer mechanism assembly, disconnect the card wire from the connectors (CN201, CN451) on the DVD servo board. (See Fig.7.)

Reference:

When connecting the card wire to the connector CN451, pass it through the sections **e** on the DVD traverse mechanism assembly. (See Fig.7.)

(3) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board. (See Fig.7.)

(4) Remove the two screws **B** attaching the DVD servo board. (See Fig.7.)

(5) From the reverse side of the DVD servo board, release the lock of the connector CN101 in the direction of the arrow and disconnect the card wire. (See Fig.8.)

Caution:

Unsolder the solders from the short land sections **d** after reassembling. (See Fig.6.)

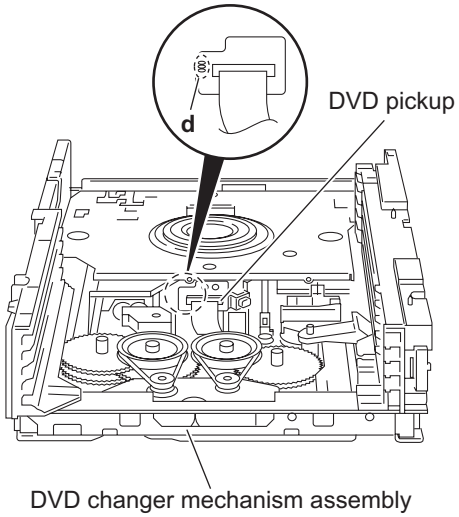


Fig.6

3.2.3 Removing the switch board (See Fig.7)

(1) From the bottom side of the DVD changer mechanism assembly, remove the screw **C** attaching the switch board on the DVD changer mechanism assembly.

(2) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board.

(3) Release the wires from the section **f** and remove the switch board.

(4) Release the wires from the sections **g** and remove the switch board.

Reference:

When reassembling, pass the wires through the sections (**f**, **g**) as before.

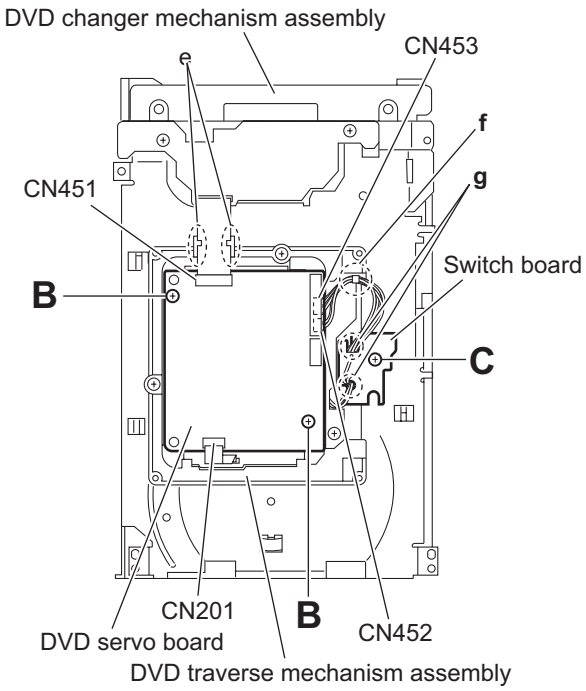


Fig.7

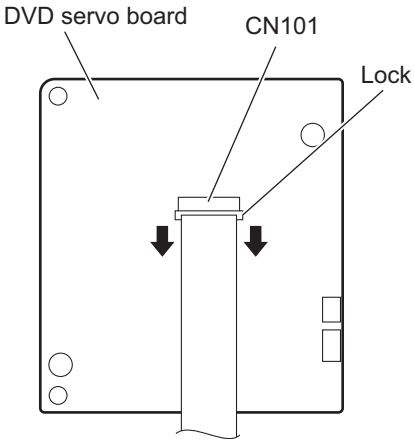


Fig.8

3.2.4 Removing the motor board (See Figs.9 and 10)

(1) From the top side of the DVD changer mechanism assembly, remove the two belts from the motor pulleys. (See Fig.9.)

Note:
Take care not to attach grease on the belt.

(2) Remove the two screws **D** attaching the motors to the loader assembly. (See Fig.9.)

(3) From the bottom side of the DVD changer mechanism assembly, remove the two screws **E**. (See Fig.10.)

(4) Disconnect the connector CN2 on the motor board from the tray switch board and remove the motor board. (See Fig.10.)

(5) Disconnect the card wire from the connector CN1 on the forward side of the motor board. (See Fig.10.)

Note:
When connecting the card wire, let the card wire through the slots **h** of the motor board. (See Fig.10.)

Reference:
You need not to remove the tray assemblies, and in such case, move it.

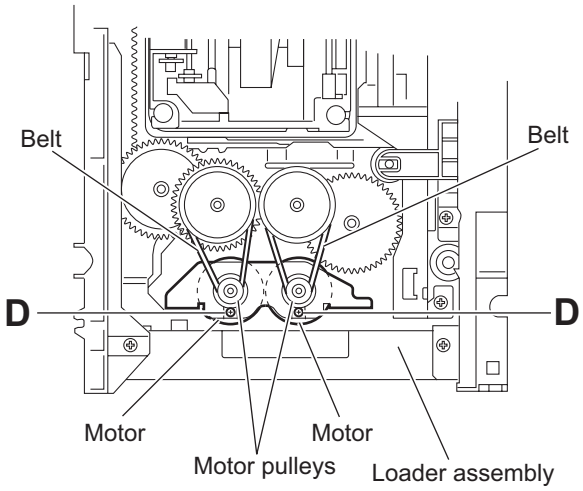


Fig.9

3.2.5 Removing the motor (See Fig. 10)

- Remove the motor board.

(1) From the reverse side of the motor board, unsolder the four soldered sections **i** on the motor board.

(2) From the forward side of the motor board, remove the motors.

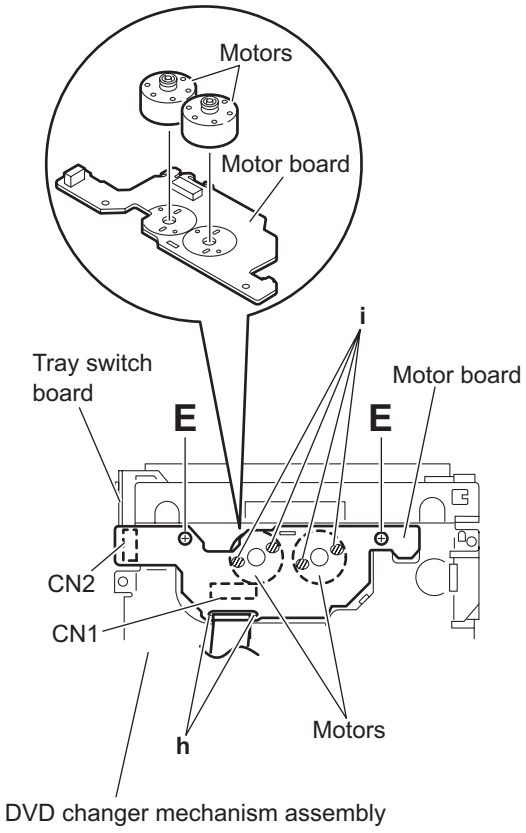


Fig.10

3.2.6 Removing the DVD traverse mechanism assembly (See Fig.11)

- Remove the tray assemblies and DVD servo board.
  (1) From the bottom side of the DVD changer mechanism assembly, remove the three screws **F** attaching the DVD traverse mechanism assembly.
  (2) Remove the wires from the section **j**.
  (3) Take out the DVD traverse mechanism assembly from the DVD changer mechanism assembly.

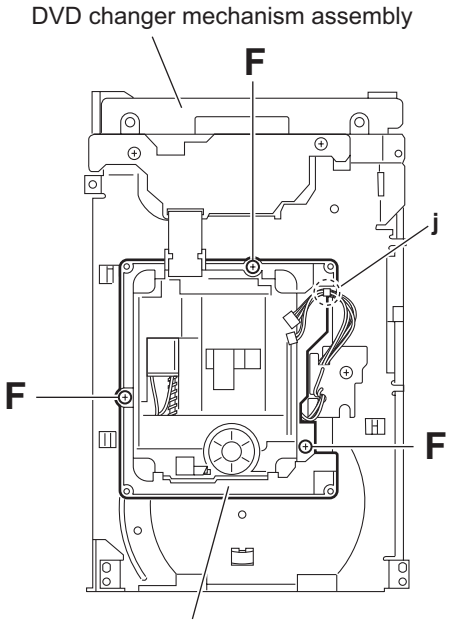


Fig.11

3.2.7 Removing the DVD pickup (See Figs.12 to 14)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, release the lock of the connector on the DVD pickup and disconnect the card wire in the direction of the arrow. (See Fig.12.)
  (2) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.12.)
  (3) Remove the screw **G** attaching the feed bracket and remove the feed bracket from the sections **k**. (See Fig.12.)
  (4) Release the claw **m** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.12.)
  (5) Remove the guide shaft from the sections (**n**, **p**) on the C.TM chassis. (See Fig.13.)
  (6) Remove the section **q** of the DVD pickup. (See Fig.13.)
  (7) Remove the two screws **H** attaching the rack arm spring and rack arm. (See Fig.14.)
  (8) Pull the guide shaft from the DVD pickup in the direction of the arrow. (See Fig.14.)

3.2.8 Attaching the DVD pickup (See Figs.12 to 14)

(1) Attach the guide shaft to the DVD pickup and attach the rack arm spring and rack arm with the screws **H**. (See Fig.14.)
(2) Attach the section **q** of the DVD pickup to the C.TM chassis first and attach the guide shaft to the sections (**n**, **p**). (See Fig.13.)

Reference:

When attaching the guide shaft to the section **p**, attach it under the rod spring. (See Fig.13.)

(3) Attach the thrust spring and feed bracket with the screw **G**. (See Fig.12.)
(4) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.15.)
(5) Connect the card wire to the connector on the DVD pickup. (See Fig.15.)

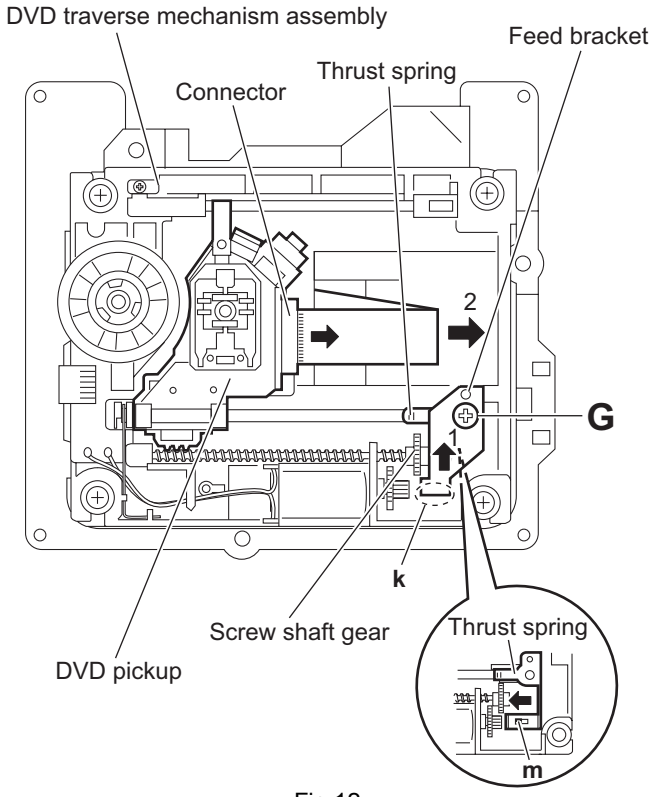


Fig.12

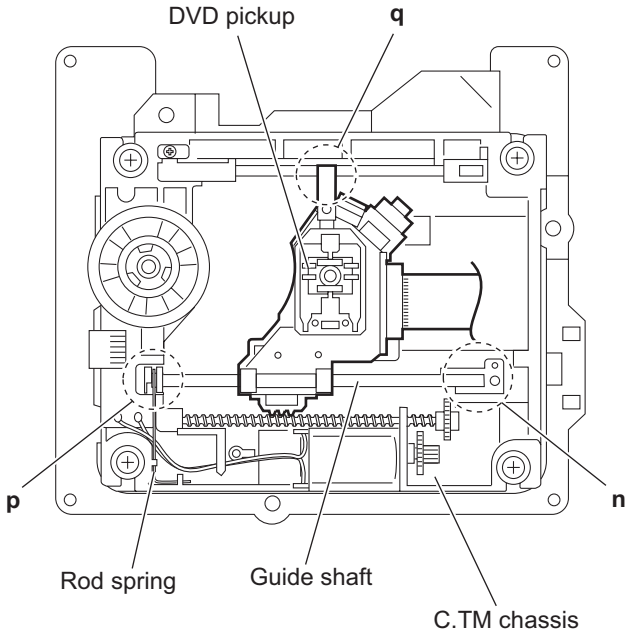


Fig.13

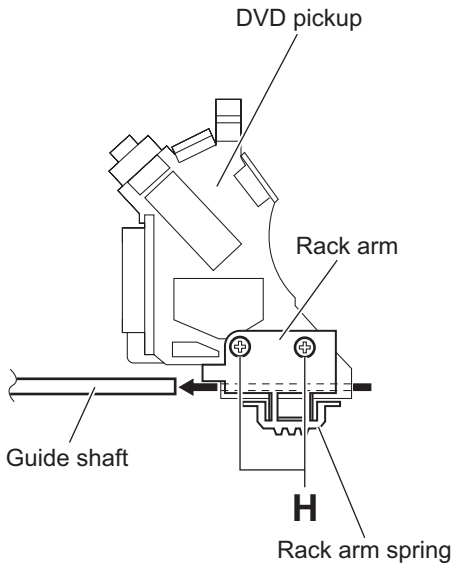

DVD pickup
Rack arm
Guide shaft
H
Rack arm spring

Fig.14

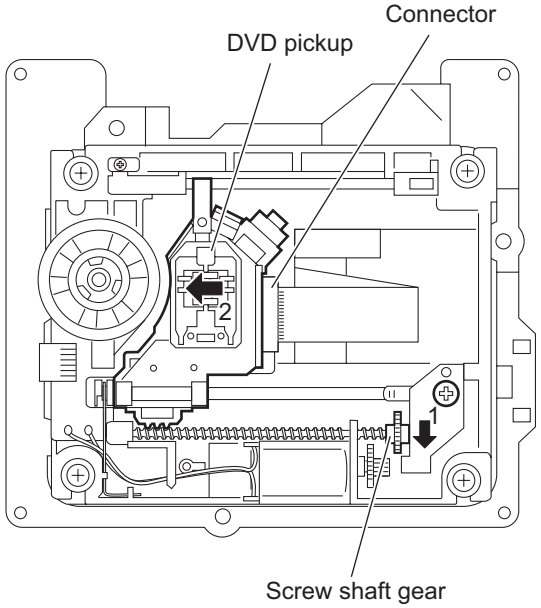

Connector
DVD pickup
2
1
Screw shaft gear

Fig.15

3.2.9 Removing the spindle motor board (See Figs.16 and 17)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, remove the wires from the soldered sections **r** on the spindle motor board. (See Fig.16.)
  (2) From the bottom side of the DVD traverse mechanism assembly, remove the three screws **J** attaching the spindle motor board. (See Fig.17.)

Reference:

When attaching the spindle motor board, let the card wire through the hole **s** on the C.TM chassis. (See Fig.17.)

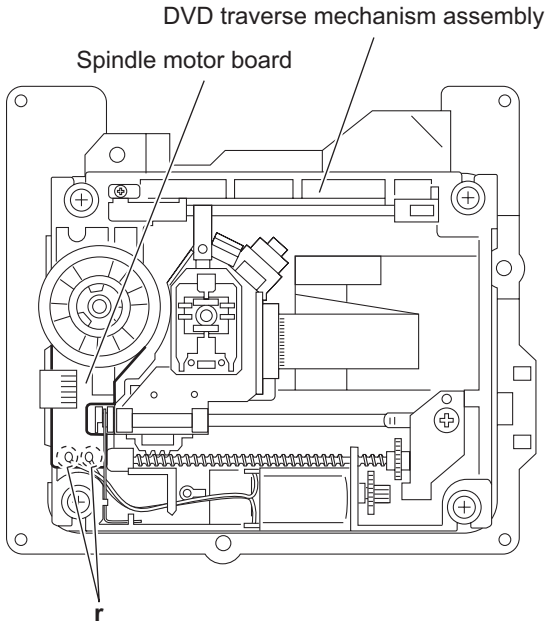


Fig.16

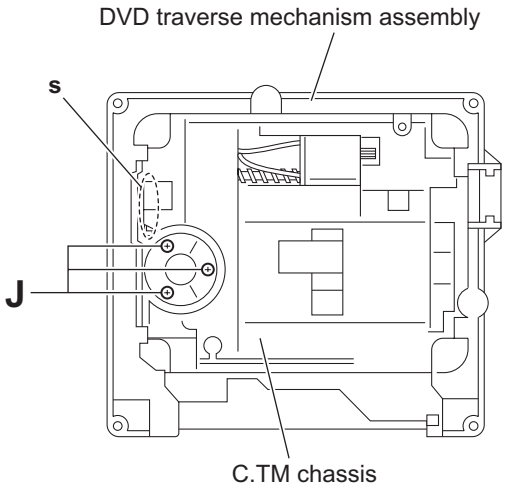


Fig.17

3.2.10 Removing the feed motor (See Figs.18 and 19)

- Remove the tray assemblies and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, remove the screw **K** attaching the feed bracket and remove the feed bracket from the sections **t**. (See Fig.18.)
  (2) Release the claw **u** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.18.)
  (3) Remove the screw shaft from the section **v** and remove it in the direction of the arrow. (See Fig.19.)
  (4) Remove the middle gear. (See Fig.19.)
  (5) Remove the screw **L** attaching the feed motor to the C.TM chassis. (See Fig.19.)
  (6) Remove the wires from the soldered sections **w** on the spindle motor board. (See Fig.19.)
  (7) Take out the feed motor from the motor base.

Reference:

After attaching the feed motor, pass the wires through the sections **x** on the C.TM chassis as before. (See Fig.19.)

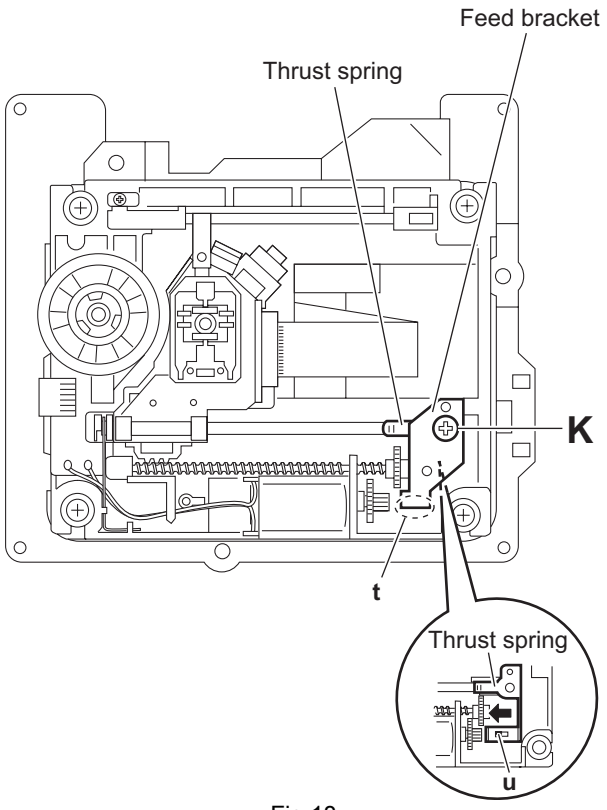


Fig.18

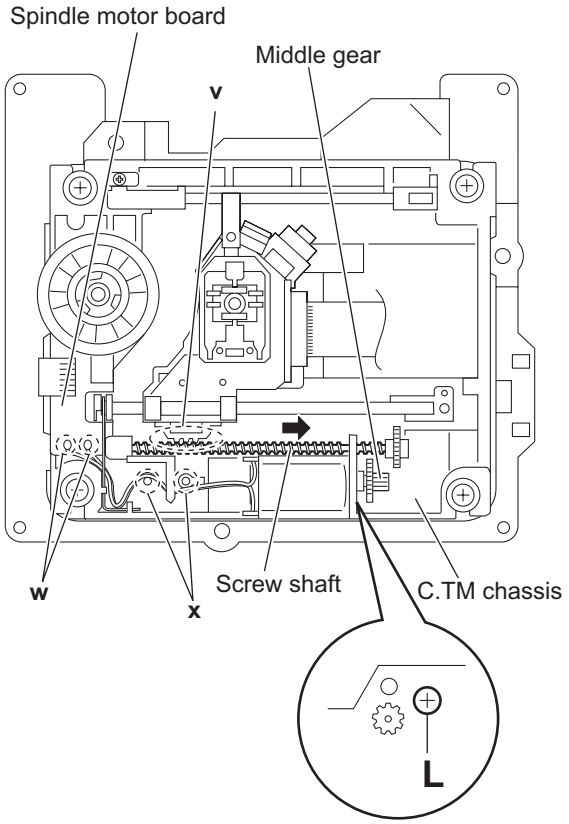


Fig.19

3.2.11 Removing the side (L) and tray switch board (See Figs.20 to 22)

- Remove the tray assemblies.
  (1) From the topside of the DVD changer mechanism assembly, remove the two screws **M** attaching the side (L). (See Fig.20.)
  (2) From the left side of the DVD changer mechanism assembly, disconnect the connector CN3 on the tray switch board from the motor board and detach the side (L) in an upward direction. (See Fig.21.)
  (3) Remove the screw **N** attaching the tray switch board to the side (L). (See Fig.22.)
  (4) Release the joint tab **y** of the side (L) in the direction of the arrow 1 and release the joint tab **z** while removing the tray switch board in the direction of the arrow 2. (See Fig.22.)

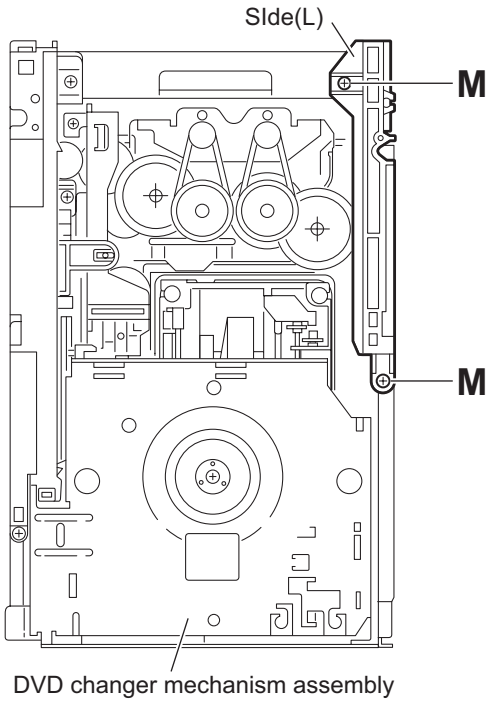


Fig.20

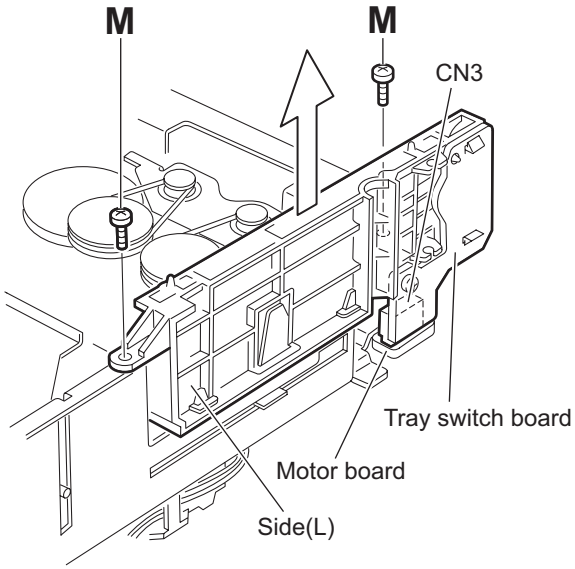


Fig.21

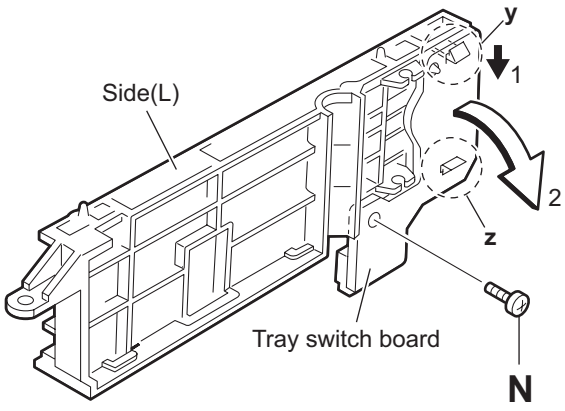


Fig.22

3.2.12 Removing the side (R) assembly (See Fig.23 to 27)

- Remove the tray assemblies and DVD servo board.
  (1) From the inside of the side (R) assembly, release the two tabs **aa** of the gear cover and remove the gear cover outward. (See Figs.23 and 24.)
  (2) From the right side of the DVD changer mechanism assembly, remove the elevator spring attached to the hook **ab** of the loader assembly. (See Figs.24 and 25.)
  (3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the elevator cam rearward. (See Fig.25.)
  (4) Move the two slots **ac** and joint **ad** of the elevator cam and remove the elevator cam outward. (See Fig.25.)
  (5) Remove the three screws **P** and detaches the side (R) assembly upward. (See Figs.26 and 27.)

Note:

When reattaching the side (R) assembly, make sure to fit the shaft (part **ae**) into the slot of the select lever. (See Fig.26.)

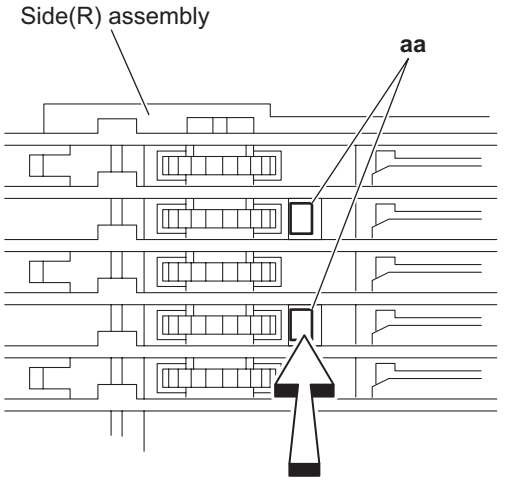


Fig.23

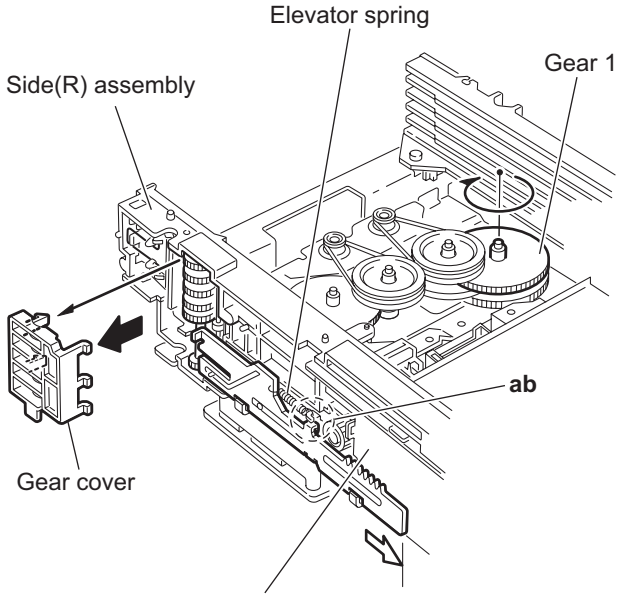


Fig.24

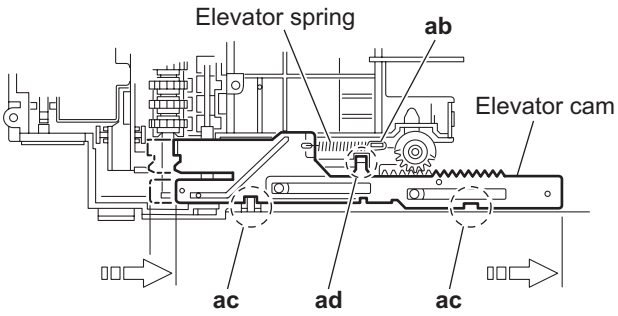


Fig.25

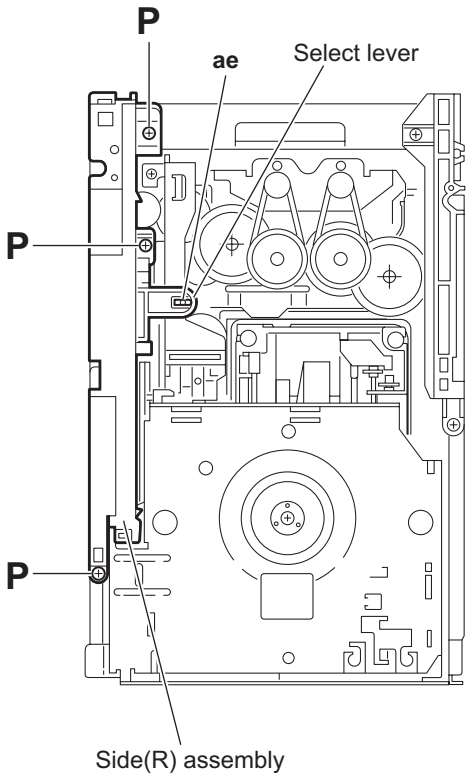


Fig.26

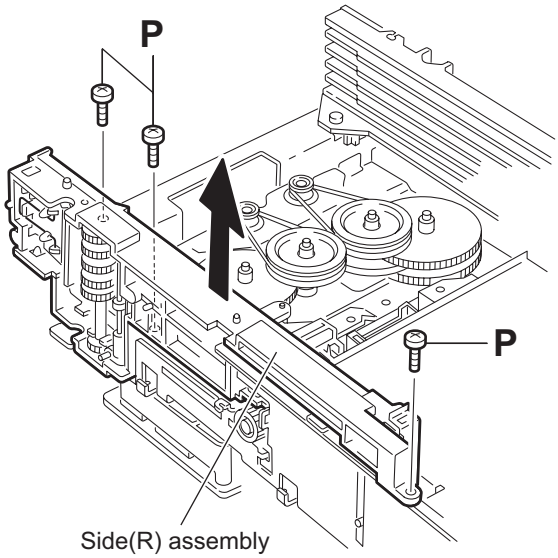


Fig.27

3.2.13 Removing the lifter assembly (See Figs.28 to 32)

- Remove the tray assemblies, DVD servo board, side (L) and side (R) assembly.
  (1) (1) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Figs.28 and 29.)
  (2) Turn the gear 2 clockwise to move the hook toward the front until it stops. (See Figs.28 and 29.)
  (3) Move the hook stopper in the direction of the arrow 2 while pushing the tab **af** of the hook stopper to unlock it in the direction of the arrow 1 and release four joints **ag** to detach from the rack holder. (See Fig.30.)
  (4) Release the rod (L) from part **ah**. (See Fig.30.)
  (5) Turn the gear 1 clockwise again to move the lifter assembly upward. (See Fig.31.)
  (6) Remove the lifter assembly from the DVD changer mechanism assembly upward at the positions ai where the four pins on the both sides of the lifter assembly fit to the notches of the loader assembly. (See Fig.31.)
  (7) Move the lifter assembly in the direction of the arrow and release it from the hook. (See Fig.32.)

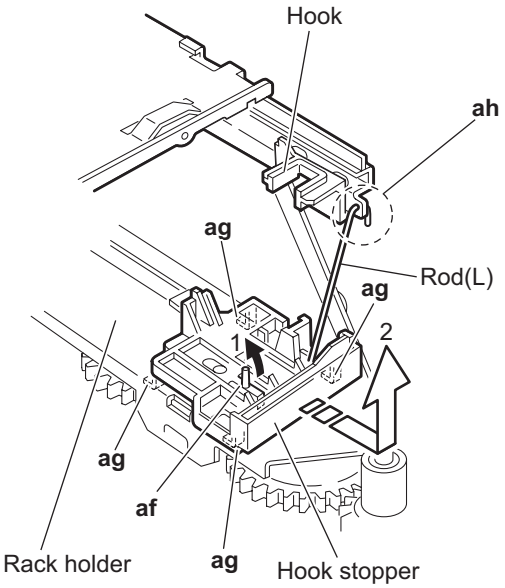


Fig.30

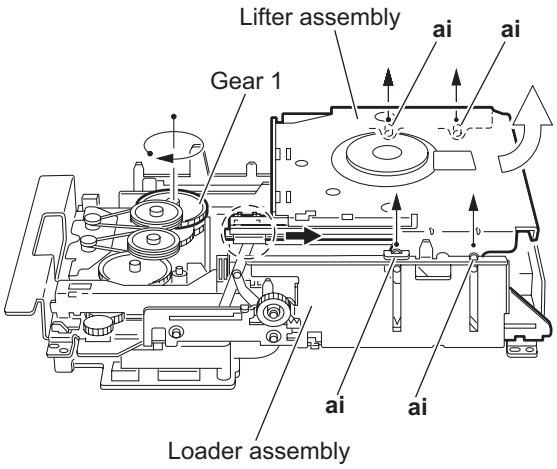


Fig.31

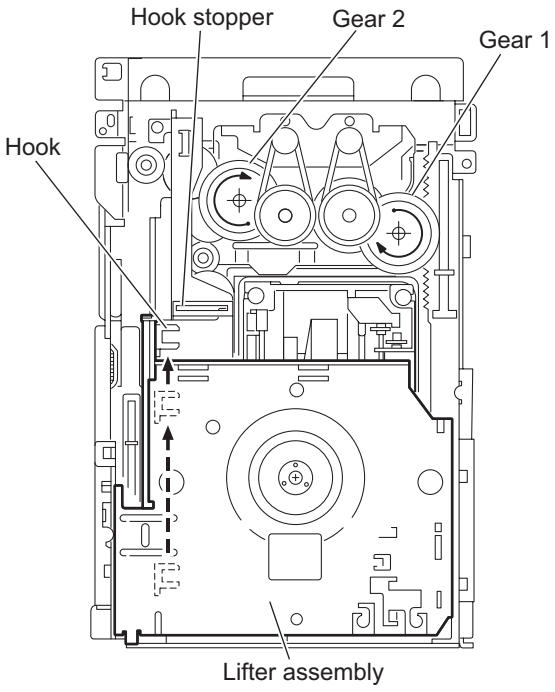


Fig.28

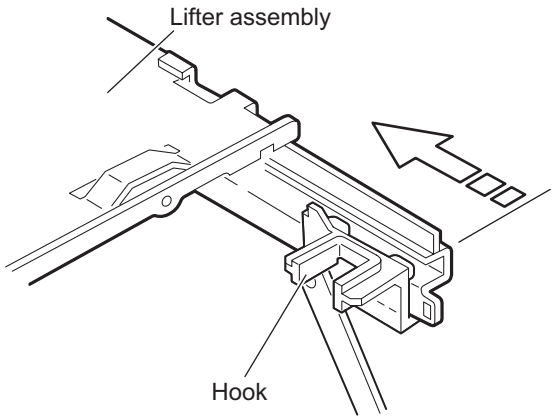


Fig.32

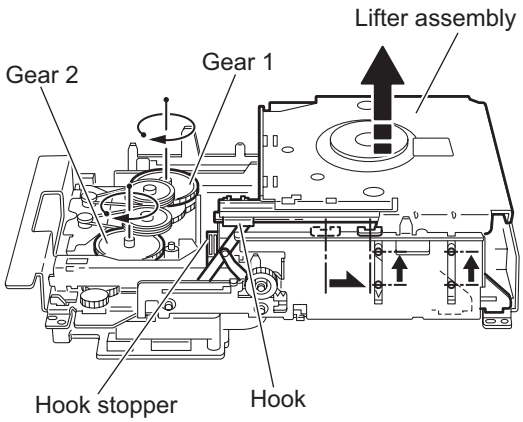


Fig.29

3.2.14 Removing the sensor board and SV resistor (See Fig.33)

- Remove the tray assemblies, side (L), side (R) assembly and lifter assembly.
  (1) Remove the solders from the soldered sections **aj** on the sensor board and remove the wires.
  (2) Remove the two screws **Q** and take out the sensor board with the SV resistor.

Reference:

- Remove the soldered section **ap** on the sensor board as required.
- When reassembling, pass the wires through the slot **ak** of the sensor board as before.

Note:

When reattaching the SV. resister, fit the projection am on the bottom of the SV. resister into slot **an** of the sensor slider.

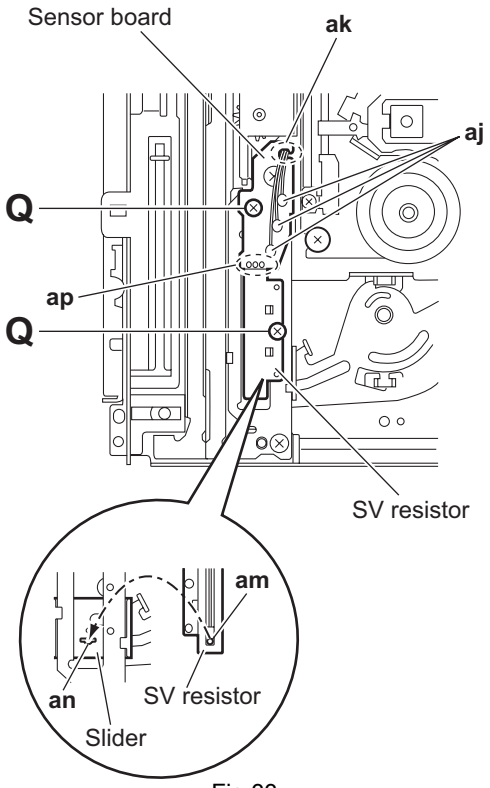


Fig.33

3.2.15 Taking out the disc in the play mode (See Fig.34 to 37)

Reference:

Refer to "3.3.1 Removing the tray assemblies".

(1) From the top side of the DVD changer mechanism assembly, remove the top cover.
(2) Unlock the tray assemblies and draw out the tray assemblies toward the front.
(3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Fig.34.)
(4) Turn the gear 2 clockwise to move the sub tray remaining inside the lifter assembly toward the front, then pull out. (See Fig.34.)
(5) Take out the disc on the sub tray. (See Fig.35.)
(6) After clearing away the disc, insert the sub tray into the main tray. (See Fig.36.)

Note:

When reattaching the sub tray, move the tray stopper on the bottom of the main tray in the direction of the arrow to lock the sub tray certainly. (See Figs.36 and 37.)

(7) Push the tray assembly toward the DVD changer mechanism assembly and reattach.

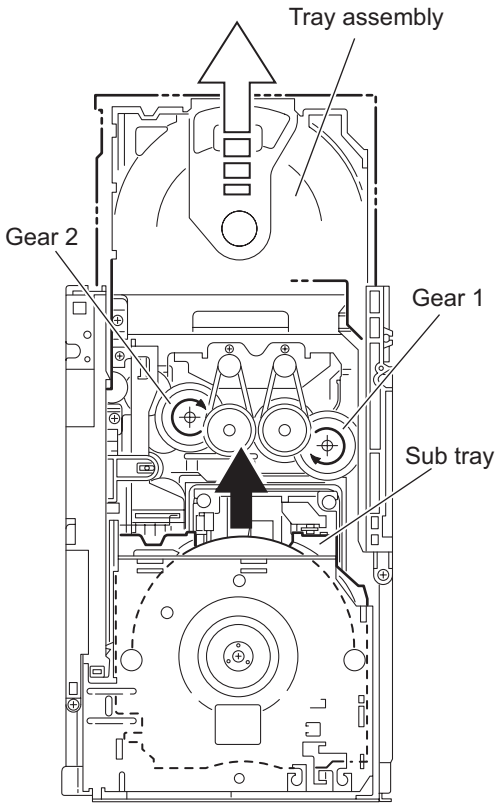


Fig.34

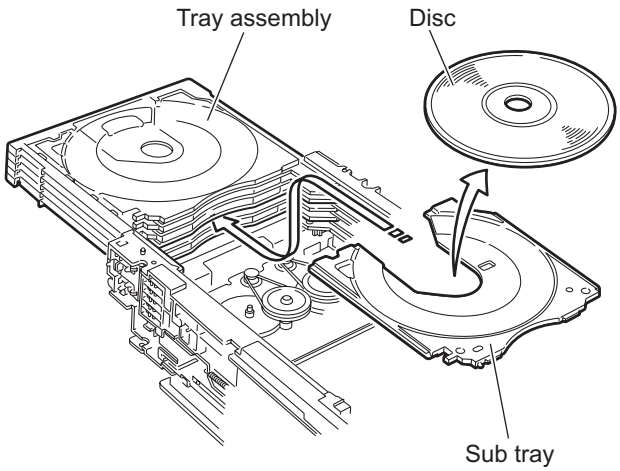


Fig.35

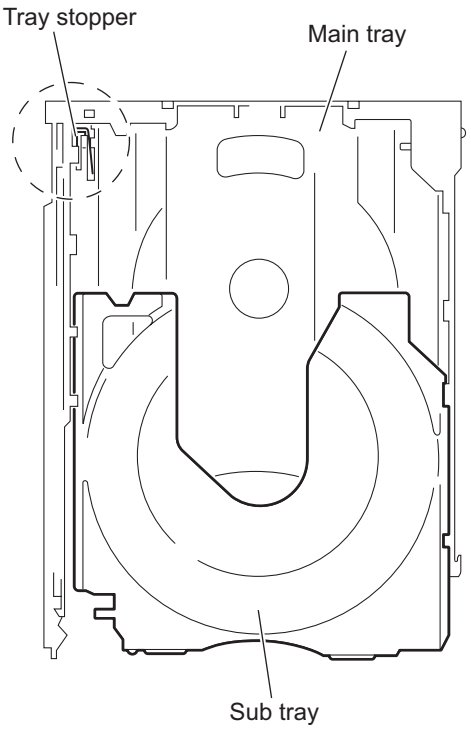


Fig.36

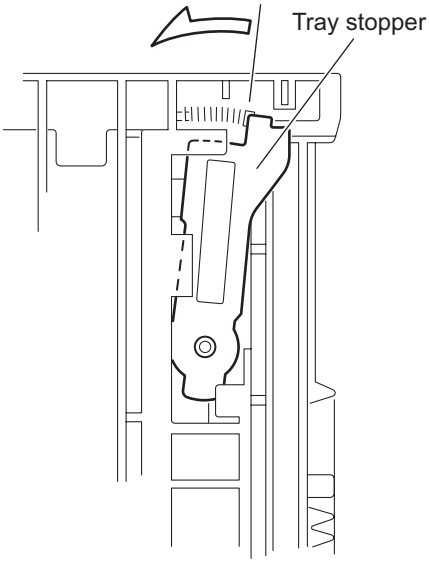


Fig.37

SECTION 4
ADJUSTMENT

4.1 ATTENTION IN SERVICE OF DVD SECTION

(1) When pickup, Flash ROM ,DVD module board were changed, initialize EEPROM by all means.
(2) When full initialization was excuted, excute learning with a DVD test disc by all means.
Test disc : VT-501, VT-502
Learning method : It is adjusted automatically by normal playback of a DVD disc.

4.2 Test mode

Item	Operation	Managemant
Tray lock	STOP [key] + DISC 1 EJECT (Only during Stanby Mode)	Loader-Mehca is locked. EJECT processing isn't done by pushing EJECT key at tray lock state. Then display to LOCKED/UNLOCKED. EJECT 1 is pushed, pushing STOP again, tray lock is off. Back up to tray locked ON/OFF.
Cold start	[Remocon key] STANDBY/ON + ENTER + 10	Cold start processing. After cold start is activated, FL temporary display COLD' for 2 seconds. Then return to previous display. To activate cold start AC OFF system, then AC ON again.
CLOCK FAST FORWARDING	[Remocon key] STANDBY/ON + ENTER + 2	Fast Forward Clock (Increase clock counter speed) Can only be activated after SYSTEM Clock is set To exit this TEST mode, AC OFF the system, then AC ON again.
FAN ON/OFF Setting	STOP [key] + DISC 2 EJECT (During STANDBY MODE)	Toggle between FAN switch ON and OFF. (FANCTRL : L -> H TOGGLE) This test mode is only effective during STANDBY MODE. Need to set POUTREG to H when FANCTRL is H. Test mode exit when system STANDBY -> P.ON
VOLUME LARGE STEP CHANGE	[Remocon Key] STANDBY/ON + ENTER + 1	VOLUME CHANGE VOLUME STEP MAX(40) -> VOLUME STEP CENTER(20) TOGGLE Normal Operation TEST mode. System returns to normal operation after performing VOLUME CHANGE.
MICON VERSION DISPLAY	[Remocon Key] STANDBY/ON + ENTER + 9	TEMPORARY DISPLAY FOR MICON VERSION (5SEC) After 5 seconds, return to previous display. Each key press will toggle temporary display for the following: SYSCON VERSION -> DVD LSI (BE) VERSION) and DVD MECHA VERSION * DVD LSI (BE & FE) VERSION CAN ONLY BEEN DISPLAY DURING SYSTEM POWER ON IN DVD MODE (WHEN DVD LSI P.ON) * IF THERE IS NO INFORMATION FEEDBACK, SYS-CON WILL DISPLAY "WAIT" BLINKING 0.5SEC ON & OFF Actual FL display SYSCOM version "012417-R**" or "030227-R**"
FL ALL SEGMENT and TEMPERATURE DATA	[Remocon Key] STANDBY/ON + ENTER + >=10	FL ALL SEGMENT ON (NO BLINK) Each key press will toggle between FL ALL SEGMENT, TEMP decimal data and DVD THERMISTOR Temperature data.
DVD test mode	STOP [key] + EJECT 5[key] (Hold during AC In)	Enters DVD-TEST mode. DVD-TEST mode specification based on DVD-MODULE spec. To exit DVD-TEST mode, AC OFF the system, then AC ON again. For Region Rewrite and DVD-AUDIO Device Key Writing, refer to Region Rewrite and Device Key Writing section below for exit procedure.

Item	Operation	Managemant
DVD initialize	>>| [key] during DVD test mode	DVD module initialized. FL 8 Segments will display 'INIT' after initialize. " T xxy v0 " <- " T xxy vw " Display will return to DVD Test Mode Area display. (" T xxy vw ") Press Power key to exit this TEST mode. To exit this TEST mode, AC OFF the system, then AC ON again.
DVD region confirm mode	STOP [key] + EJECT 5[key] (Hold during AC In)	FL display " T E*0 " (E=Euro) Region* FL display " T E2 0 " (E=Euro) Region 2 or " TJC10 " (JC=USA/CANADA)Region 1
Tuner test mode	[Remocon key] Standby + enter + 0	eg: V U2 9K " VE 9K " Euro or " VJC 10K " (USA/CANADA) V: version U2: A/UF/UN/US 9K: AM STEP SETTING
SAFETY MODE check by WHAT	STOP + LINE [key] In standby [after safety trigger]	(A) If safety-cassette deck trigger, FL show : " ACM SAFETY " (B) If /protect trigger, FL show : "AMP SAFETY" (C) If /safety-reg trigger, FL show : "REG SAFETY" (D) If flock trigger, FL show : "FAN SAFETY" (E) If DVD temperature trigger, FL show : "DVD-SAFETY"

POWER KEY PRESSED to exit

***Note:**

(1) Other than Device Key Writing & DVD Region Re-write case, other test mode can be exit by pressing POWER KEY on SET.
(2) During any other Test Mode, when POWER KEY is pressed, wait until "POFF OK" displayed (with Backlight LED off) meaning that DVD Test mode is successfully exit.
(3) "POFF OK" Display will be indicated for 5sec only, then it will return to Standby Mode Display
(4) After "POFF OK" dsiplay, system is now go back to normal operation mode.

4.3 Other test mode's operation

1. To enter DVD TEST mode,
   a. AC POWER OFF
   b. Press and hold STOP+DVD5 EJECT/CLOSE keys.
   c. AC POWER ON while holding STOP+DVD5 EJECT/CLOSE keys.
   d. Sys-con will send the following commands:
      (INIT Command, TEST MODE Start)
      (MODE STATE REPORT Command, DELIVERY INFO)
      (STATUS REQUEST, DESTINATION AND REGION INFO)
      (DESTINATION INFO, DESTINATION NUMBER, REGION INFO).
   e. DVD Mecha will start in TEST MODE, FL will display:

	T		x	x	y		v	w	

   xx is the received DESTINATION information. Display as follows:
   xx = JC/1U/D/E/2U/3U/UB/UT/4U/UY/EE/UF
   y = region number
   v = study state information from MECHA-CON (Display Byte3 when Byte7 is "0x09")
   w = initialization state from MECHA-CON (Display Byte4 when Byte7 is "0x09".Display blank when Byte4 is "0xFF".)

2. To extie DVD TEST mode,
   a. During TEST MODE (except for Device Key write & DVD Region Re-write), press POWER KEY and wait until "POFF OK" is displayed for 5sec, then system goes into Standby Mode & Backlight LED is off
      This means that System now successfully exit the DVD Test Mode & back to normal mode
   b. To exit TEST mode for Device Key Write & DVD Region Re-write, first AC OFF, then AC ON again to return to normal state.

3. EEPROM INITIALIZATION

(1) NORMAL INITIALIZE

a. During DVD TEST MODE, Press >>| key on remote control to start NORMAL EEPROM INITIALIZATION.

b. Sys-con will send the following command:

c. Mecha will feedback the following information after finish INITIALIZATION:
Status: Byte 0 = 0x00 (NORMAL), Byte 7 = 0x09, Byte 4 = initialization state

d. When received status, FL will display:

	T		x	x	y		v	w	

w = initialization state from MECHA-CON (Display Byte4 when Byte7 is "0x09".Display blank when Byte4 is "0xFF".)

(2) FULL INITIALIZE

a. During DVD TEST MODE, STOP key on set 2 seconds control to start FULL EEPROM INITIALIZATION.

b. Sys-con will send the following command:

c. Mecha will feedback the following information after finish INITIALIZATION:
Status: Byte 0 = 0x00 (NORMAL), Byte 7 = 0x09, Byte 4 = initialization state

d. When received status, FL will display:

	T		x	x	y		v	w	

w = initialization state from MECHA-CON (Display Byte4 when Byte7 is "0x09".Display blank when Byte4 is "0xFF".)

4. DEVICE KEY CHECKSUM DISPLAY

a. During DESTINATION INFO display screen (1), press MENU key to enter DEVICE KEY CHECKSUM display
(TEST MODE, MODE STATE, CHECK MODE)
(DEVICE KEY CHECKSUM)

FL will display (Example):

	X	X	X	X	X	X	X	X	

DISPLAY BOTH CPPM AND CPRM

5. DVD CHECK MODES

a. Press MENU key again to enter CHECK MODE.
(TEST MODE, MODE STATE, CHECK MODE)

FL Display:

		C	H	E	C	K			

Press '1' key on REMOTE CONTROL to START PLAYBACK.

FL Display:

	P	L	A	Y	B	A	C	K	

Press '2' key on REMOTE CONTROL to perform SEARCH TNO+1

FL Display:

	W	O	B	B	L	E			

(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j	

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '3' key on REMOTE CONTROL to perform SEARCH TNO-1

FL Display:

		C	H	E	C	K			

Press '4' key on REMOTE CONTROL to light up CD_LD and display laser current.

FL Display:

	C	D	L	D		L	S	R	

(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j	

(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '5' key on REMOTE CONTROL to light up DVD_LD and display laser current.

FL Display:

	C	D	L	D		L	S	R		(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '6' key on REMOTE CONTROL to enter DVD x 2 JITTER MEASUREMENT MODE

FL Display:

	J	I	T	X	1					(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '7' key on REMOTE CONTROL to view EEPROM (MECHA) content in -1 address step.

FL Display:

	E	E	P			B	W	D		(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '8' key on REMOTE CONTROL to view EEPROM (MECHA) content in +1 address step.

FL Display:

	E	E	P			F	W	D		(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '9' key on REMOTE CONTROL to perform SEARCH DVD_SL DESIGNATED POSITION and JITTER MEASUREMENT

FL Display:

	T	E	M	P						(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '10' key on REMOTE CONTROL to perform SEARCH DVD_DL PARALLEL DISC DESIGNATED POSITION and JITTER MEASUREMENT

FL Display:

	D	V	D	-	D	L				(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '0' key on REMOTE CONTROL to perform monitor output.

FL Display:

	M	O	N	I	T	O	R			(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j		(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press '>=10' key to INITIALIZE EEPROM (MECHA)

FL Display:

	I	N	I	T						(2 seconds)

Press PLAY key on REMOTE CONTROL to start PLAYING and obtain LASER CURRENT and JITTER value.

FL Display:

	L	S	R		J	I	T		

(2 seconds)

Status: 00(NORMAL) XX XX cc cc jj jj

	c	c	c	c	j	j	j	j	

(Static)

cccc: Byte 0 = 0x00, Byte 7 = 0x00, Byte 3,4 → ¨DISPLAY
jjjj: Byte 0 = 0x00, Byte 7 = 0x00, Byte 5,6 → ¨DISPLAY

Press STOP key on REMOTE CONTROL to stop JITTER measurement.

FL display remains.

	F	F	F	F	F	F	F	F	

(Static)

b. During CHECK mode, at any time press MENU key to exit CHECK mode and return to starting screen of DVD TEST MODE.

* During TEST mode,at press POWER key send POWER OFF command to MECHA-CON and if poweroff permit flag is 1, display "POFF OK"

	P	O	F	F		O	K		

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB551)

Printed in Japan
VPT

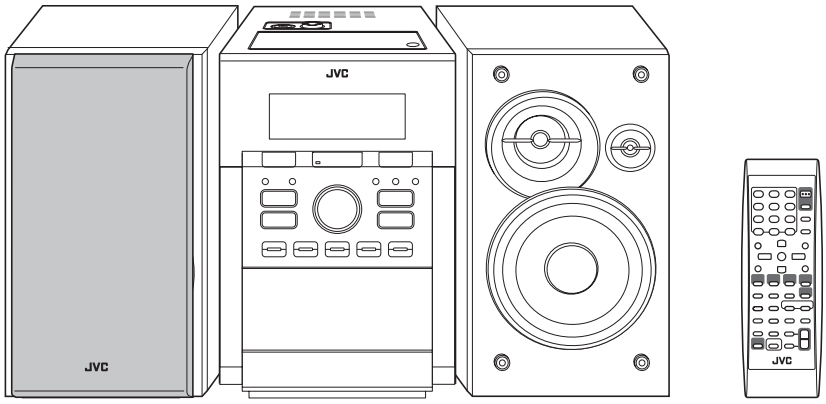
JVC

SCHEMATIC DIAGRAMS

MICRO COMPONENT SYSTEM

UX-G70A,UX-G70UJ,UX-G70UN

CD-ROM No.SML200607



SP-UXG70 CA-UXG70 SP-UXG70

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagrams ---------- 2-1
Standard schematic diagrams ---------- 2-2
Printed circuit boards ---------- 2-12 to 14

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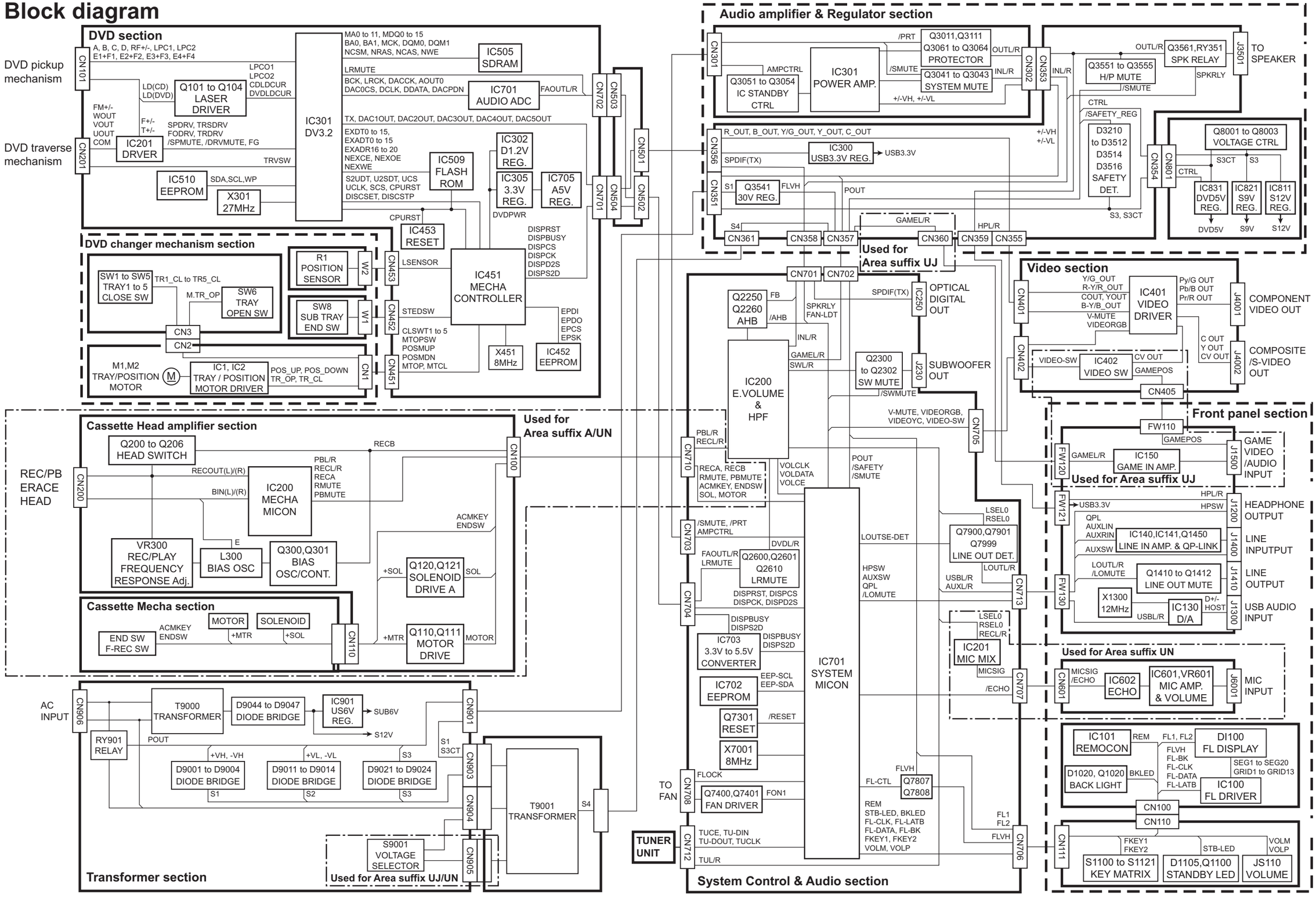
No.MB551SCH
2006/7

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.

Block diagram



Standard schematic diagrams

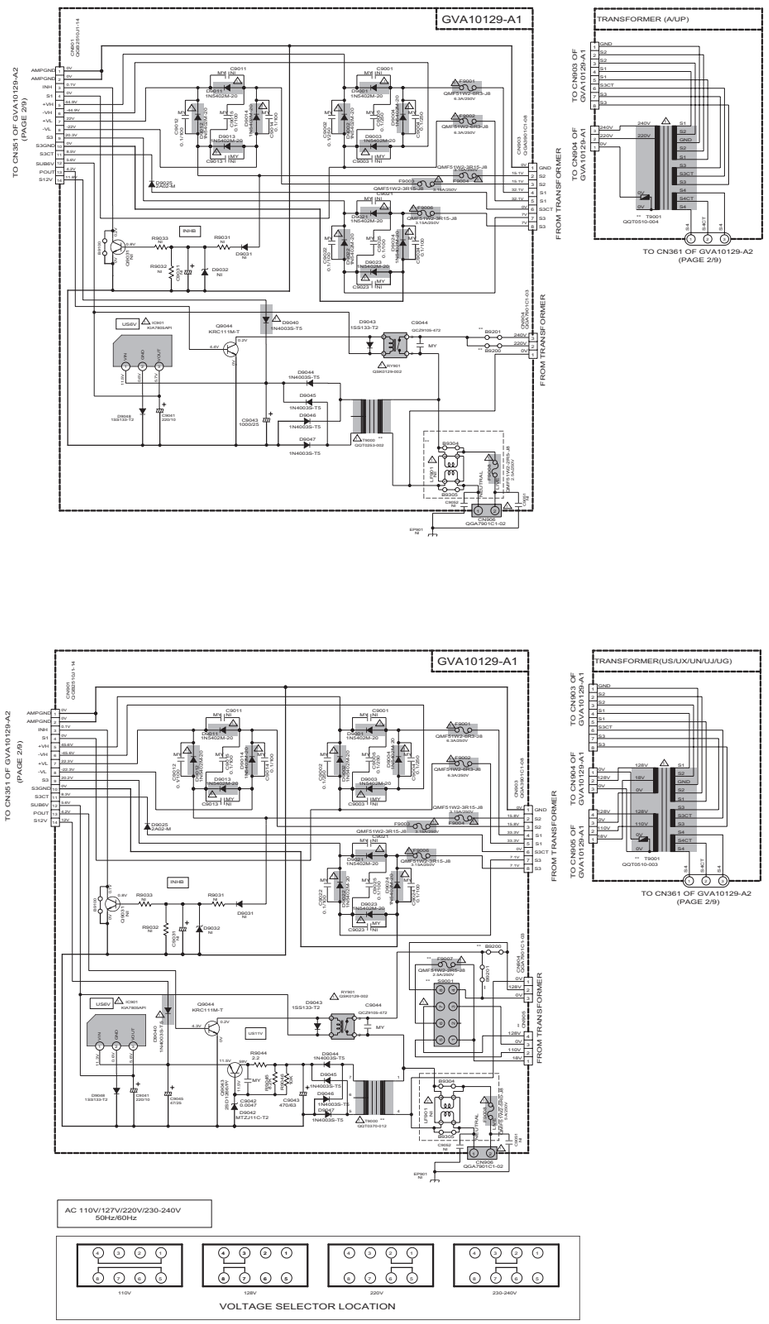
■ Primary section

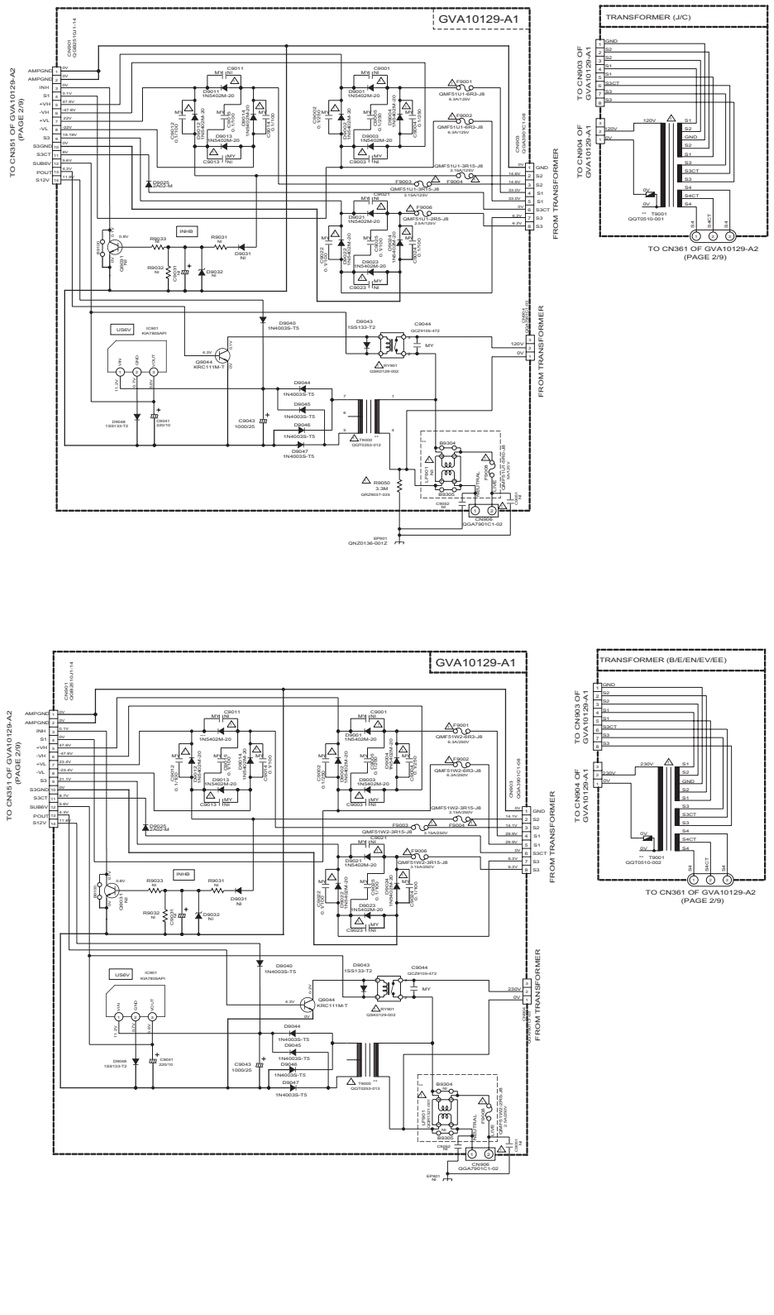
REF. NO.	UP	A	US/UX/UN/UG/JJ	J/C	E/EN/B/EV/EE
T9001	GQT0510-004	GQT0510-004	GQT0510-003	GQT0510-001	GQT0510-002
T9900	GQT0253-002	GQT0253-002	GQT0370-012	GQT0253-012	GQT0253-013
S9001	Nil	NI	QSW0812-001	NI	NI
LF901	QQR1321-001	NI	NI	NI	QQR1321-001
B9304	Nil	INSERT	INSERT	INSERT	Nil
B9305	Nil	INSERT	INSERT	INSERT	Nil
B9200	INSERT	NI	INSERT	INSERT	INSERT
B9201	Nil	INSERT	NI	NI	NI
CN905	Nil	NI	QGA7901C1-04	NI	NI
F9006	QMF51W2-3R15-J8	QMF51W2-3R15-J8	⚠ QMF51W2-3R15-J8	QMF51W2-2R5-J8	QMF51W2-3R15-J8
F9007	Nil	NI	QMF51W2-2R5-J8	NI	NI
F9008	QMF51W2-2R5-J8	QMF51W2-2R5-J8	QMF51W2-5R0-J8	QMF51u1-5R0-J8	QMF51W2-2R5-J8

OL EXT	VERSION CODES	R. VOLTAGE/FREQ.
002	B :U.K.	230V/50Hz
003	A :AUSTRALIA	240V/50Hz
004	C :CANADA	120V/60Hz
005	E :CONTINENTAL EUROPE	230V/50Hz
006	J :U.S.A.	120V/60Hz
009	EN :NORDIC COUNTRIES	230V/50Hz
014	US :SINGAPORE	230V/50Hz
022	UP :KOREA	220V/60Hz
024	UX :ARAB SAUDI	220V/60Hz
026	EV :EASTERN EUROPE	230V/50Hz
027	EE :RUSSIA	230V/50Hz
036	UN :INDONESIA	220~240V/50Hz
038	UJ :USA MILITARY BASE	110~240V,50/60Hz
039	UG :GULF OF PERSIAN	220~240V/60Hz

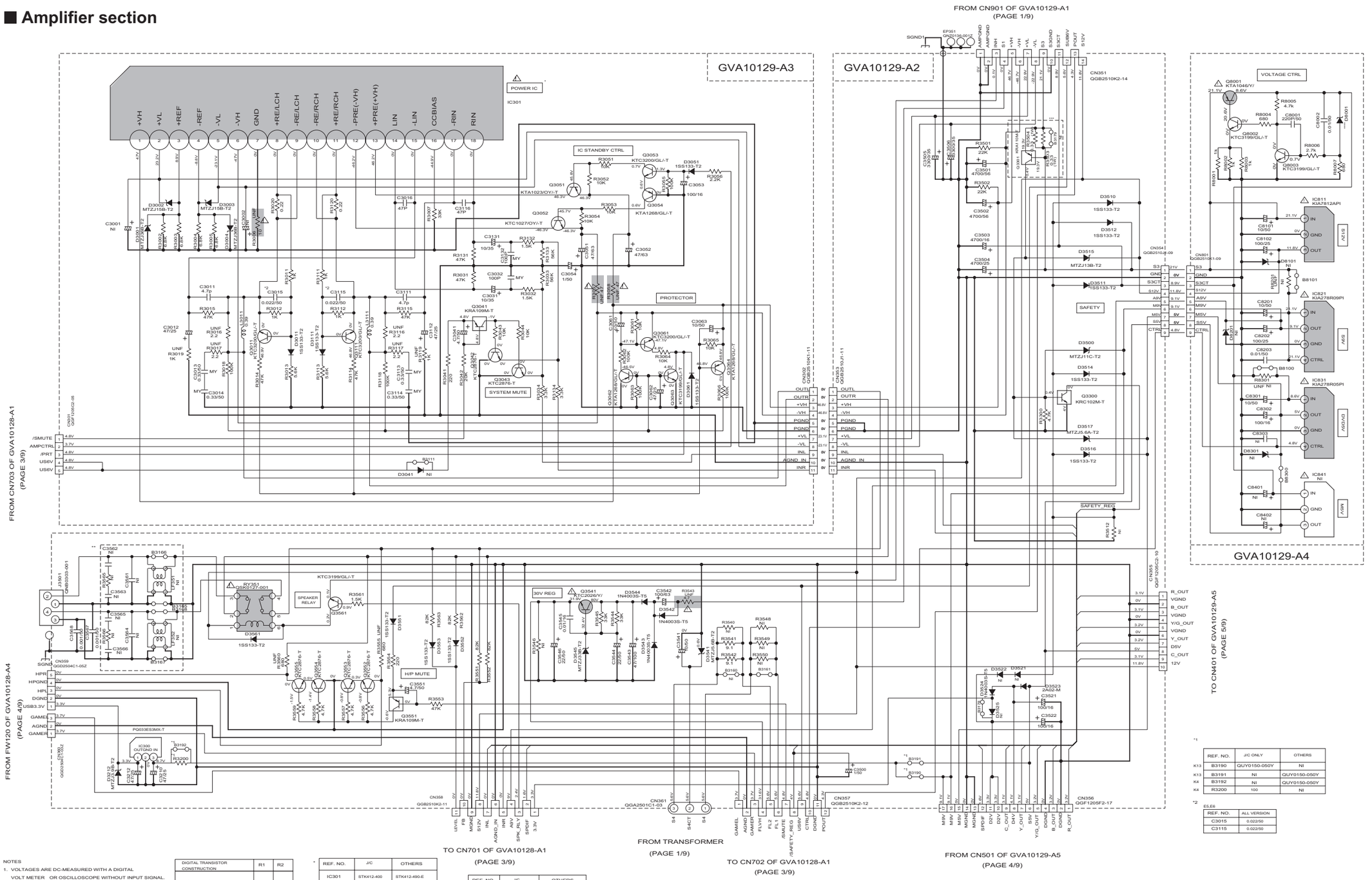
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION :~ DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/4W ±5% CARBON FILM RESISTOR. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN ; μF(=μF).
   ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(~F) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN ;; H(m=mH).
3.NI = NO INSERT

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.





■ Amplifier section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION ---- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ± 5% CARBON FILM RESISTOR.
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL DIODES ARE 1SS133-T2 UNLESS SPECIFIED
3. NI = NO INSERT

DIGITAL TRANSISTOR CONSTRUCTION		R1	R2
R1 R2	KRA109M-T	47K	22K
R1 R2	KRA110M-T	4.7K	-
R1 R2	KRC102M-T	10K	10K

*

REF. NO.	J/C	OTHERS
IC301	STK412-400	STK412-490-E

**

REF. NO.	B/E/EN/EV/EE UP	OTHERS
B3165 B3166 B3167 B3168	NI	QUY0150-050Y
R3565 R3566	4.7 OHM	NI
C3561 C3564	3300P/50	NI
C3562 C3563 C3565 C3566	47000P/50	NI

***

REF. NO.	J/C	OTHERS
Q3301 R3504 R3503	KRA110M-T QRT01DJ-R33X QRT01DJ-R33X	NI
B3179	NI	QUY150-050Y

****

REF. NO.	J/C	OTHERS
D8001	MTZJ5.1C-T2	MTZJ5.6C-T2

*1

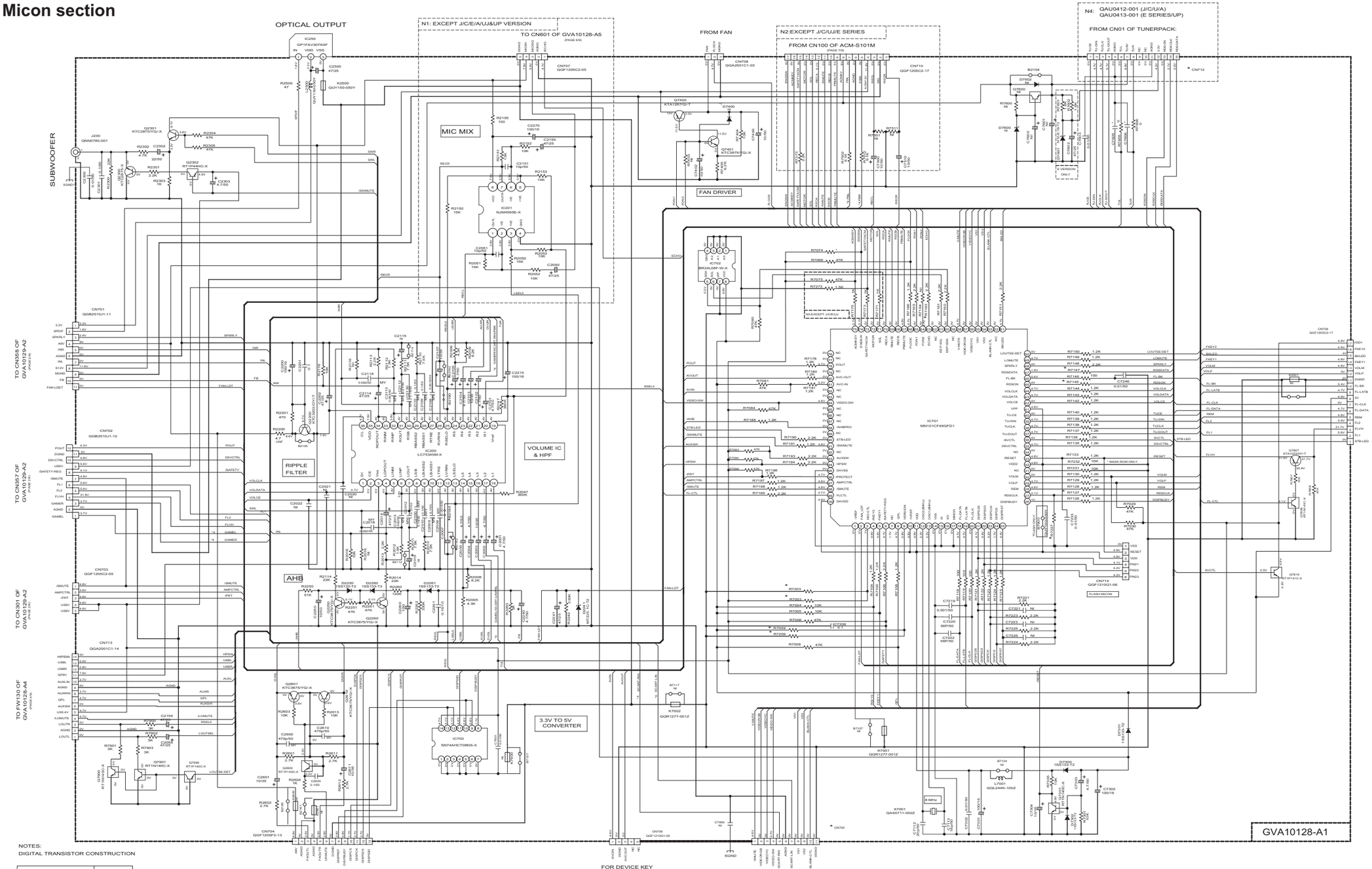
	REF. NO.	J/C ONLY	OTHERS
K13	B3190	QUY0150-050Y	NI
K13	B3191	NI	QUY0150-050Y
K4	B3192	NI	QUY0150-050Y
K4	R3200	100	NI

*2 E5,E6

REF. NO.	ALL VERSION
C3015	0.022/50
C3115	0.022/50

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Micon section



NOTES:
DIGITAL TRANSISTOR CONSTRUCTION

R1 10K	KRC111S-X
R1 10K	KRA111M-X
R1 10K, R2 10K	KRC102S-X
R1 47K, R2 22K	KRA109S-X

ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL E CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL DIODES ARE 1SS133-T2

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/4W ±5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
3.NI = NO INSERT

(PAGE 49)

VERSION / PARTS	J/C/UJ	US/UN/UG/UX	E/B/EN/EV EE	A / UP	REMARK
R7127	NI	NI	2.2K	NI	RDSCLK
R7145	NI	NI	1.2K	NI	RDSON
R7147	NI	NI	2.2K	NI	RDSDATA
R7227	10K	10K	NI	10K	RDSCLK
CN712	GQF1205C1-11	GQF1205C1-11	GQF1205C1-15	GQF1205C1-11(UA) GQF1205C1-15(UP)	TUNER CONN
C7605/C7606	NI	NI	0.0027/50	NI (A) 0.0027/50 (UP)	TUNER
R7074	NI	10K	NI	10K	ENDSW
C2007/C2107	NI	10/35	NI	NI	LSEL0/RSEL0
B2180/B2182	5MM	NI	5MM	5MM	NO MIC OR NO TAPE
B2190/B2192	5MM	NI	5MM	5MM	NO MIC OR NO TAPE
R7003	NI	10K	NI	NI	MC CTRL VERSION
R7203	10K	2.2K	10K	10K	MC CTRL VERSION

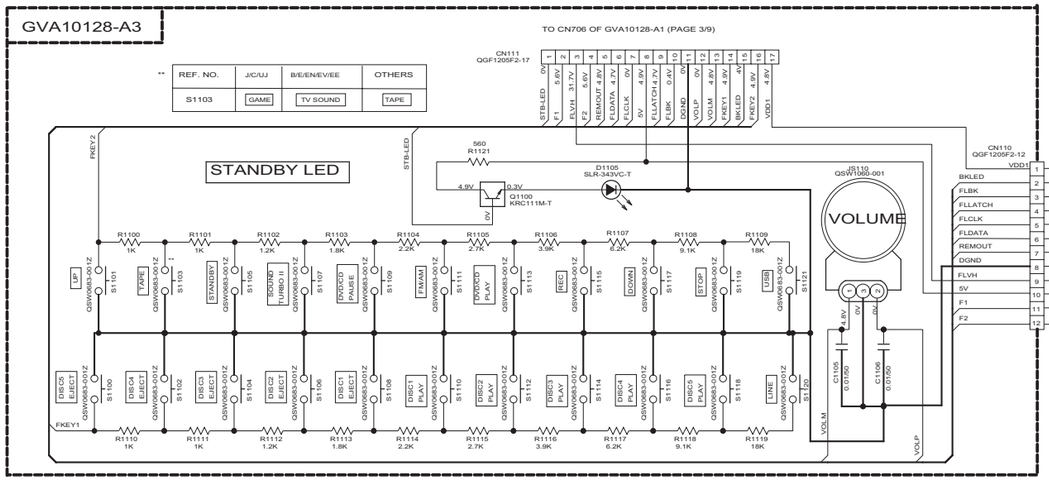
(PAGE 59)

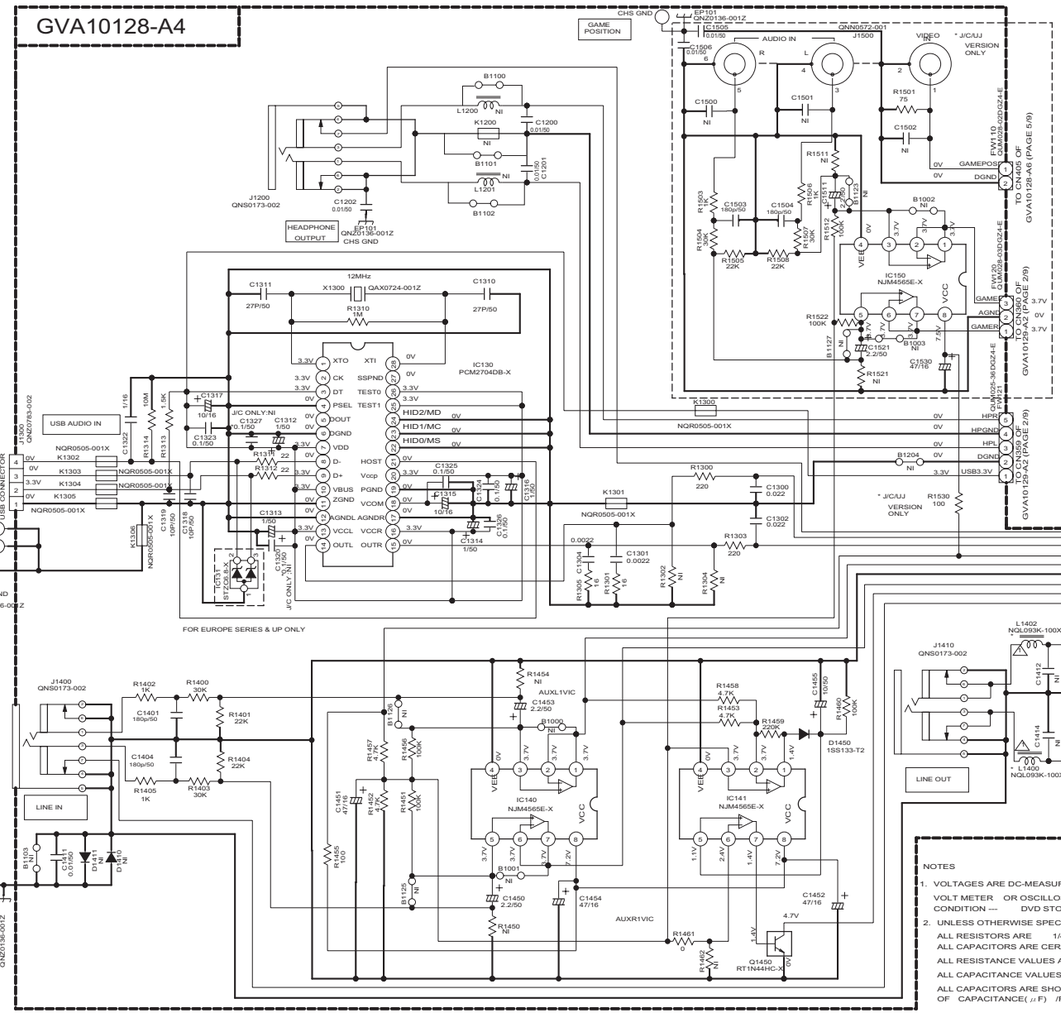
VERSION / PARTS	J/C	US/UN/UG/UX	E/B/EN/EV EE	A / UP	REMARK
CN705	GQF1205C1-04	GQF1205C1-04	GQF1205C1-11	GQF1205C1-04	VIDEO CONN
R7163	NI	2.2K	NI	NI	ECHO

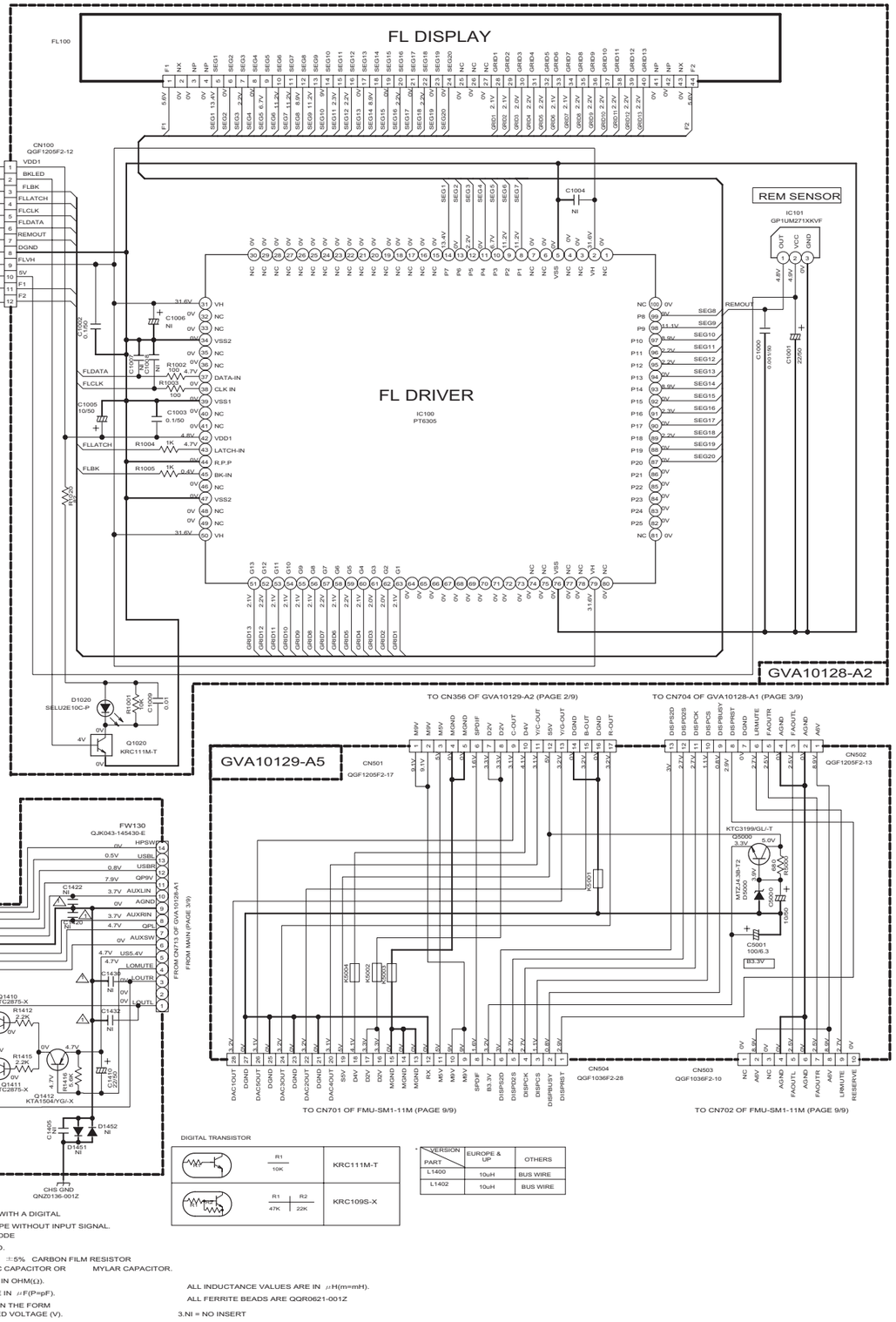
REMARK : MICOM VERSION CTRL

VERSION / PARTS	R7009	R7209
J/C	10K	2.2K
A	10K	NI
UP	10K	12K
US/UN	10K	NI
UX/UG	10K	6.2K
UJ	10K	22K
B/E/EN/EV/EE	NI	10K

■ Front section





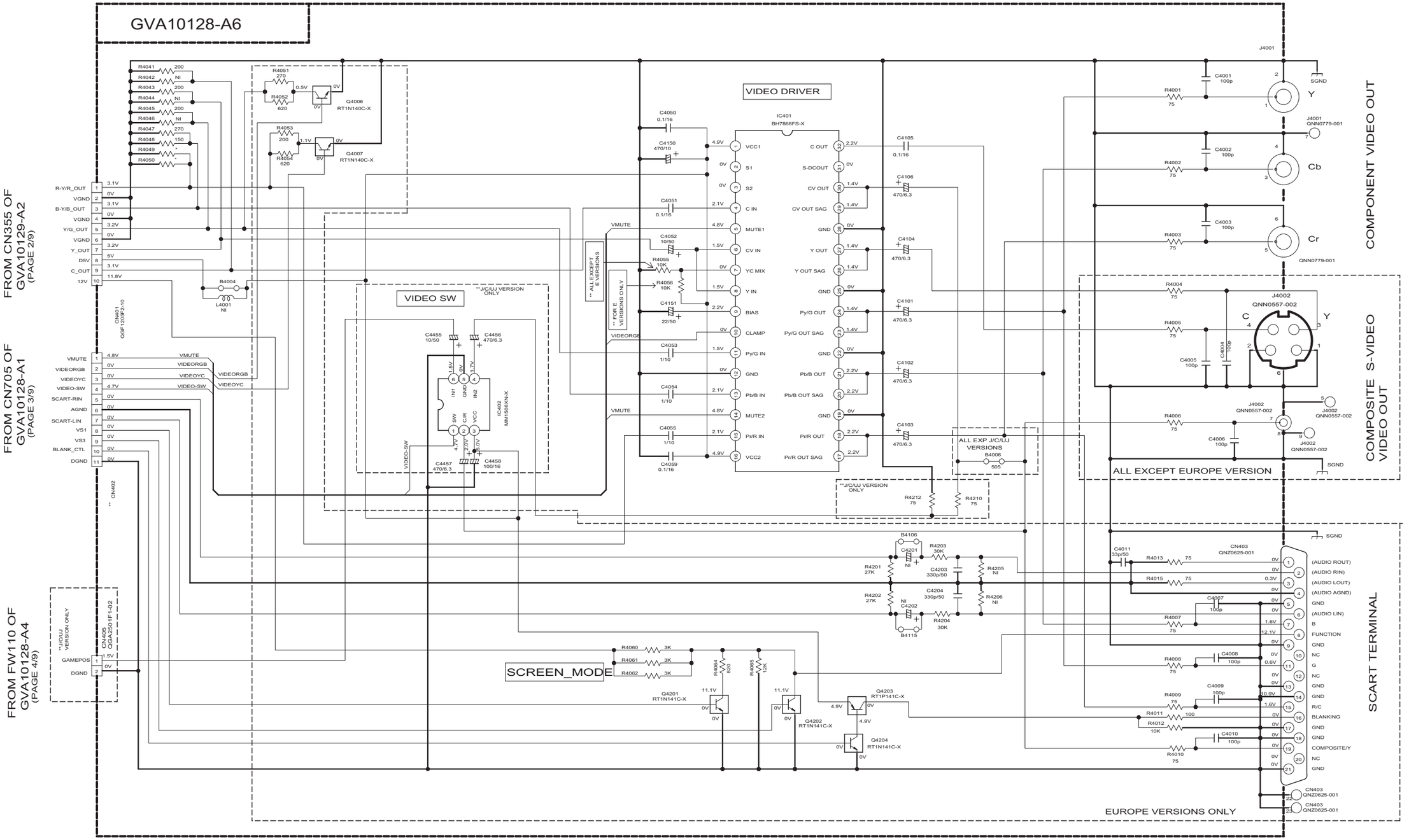


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ±5% CARBON FILM RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL FERRITE BEADS ARE QGR0621-001Z
3. NI = NO INSERT

* VERSION / PART	EUROPE & UP	OTHERS
L1400	10uH	BUS WIRE
L1402	10uH	BUS WIRE

■ Video control section



REFERENCE NO.	PART NO.		
	B/E/EE/EN/EV	J/C/UJ	OTHERS
CN402	QGF1205F2-11	QGF1205F2-04	QGF1205F2-04
R4050	NRSA63J-511X	NRSA63J-151X	NRSA63J-151X
R4049	NRSA63J-511X	NRSA63J-271X	NRSA63J-271X

DIGITAL TRANSISTOR

	R1 10K	KRC111S-X
	R1 10K, R2 10K	KRC102S-X
	R1 10K, R2 10K	KRA102S-X

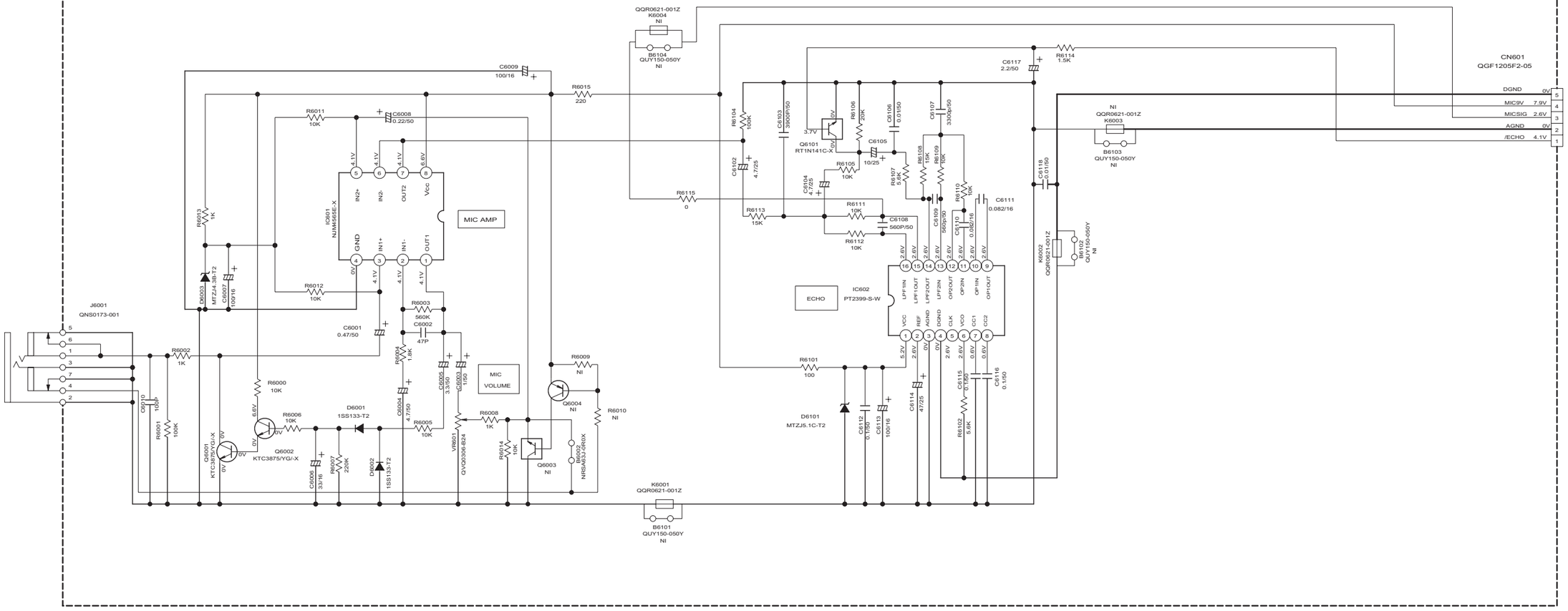
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W±5% CARBON FILM RESISTOR OR 0.063W±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM (Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL FERRITE BEADS ARE QQR0621-001Z
3. NI = NO INSERT

■ Microphone section

**ONLY FOR UN VERSION

GVA10128-A5



DIGITAL TRANSISTOR

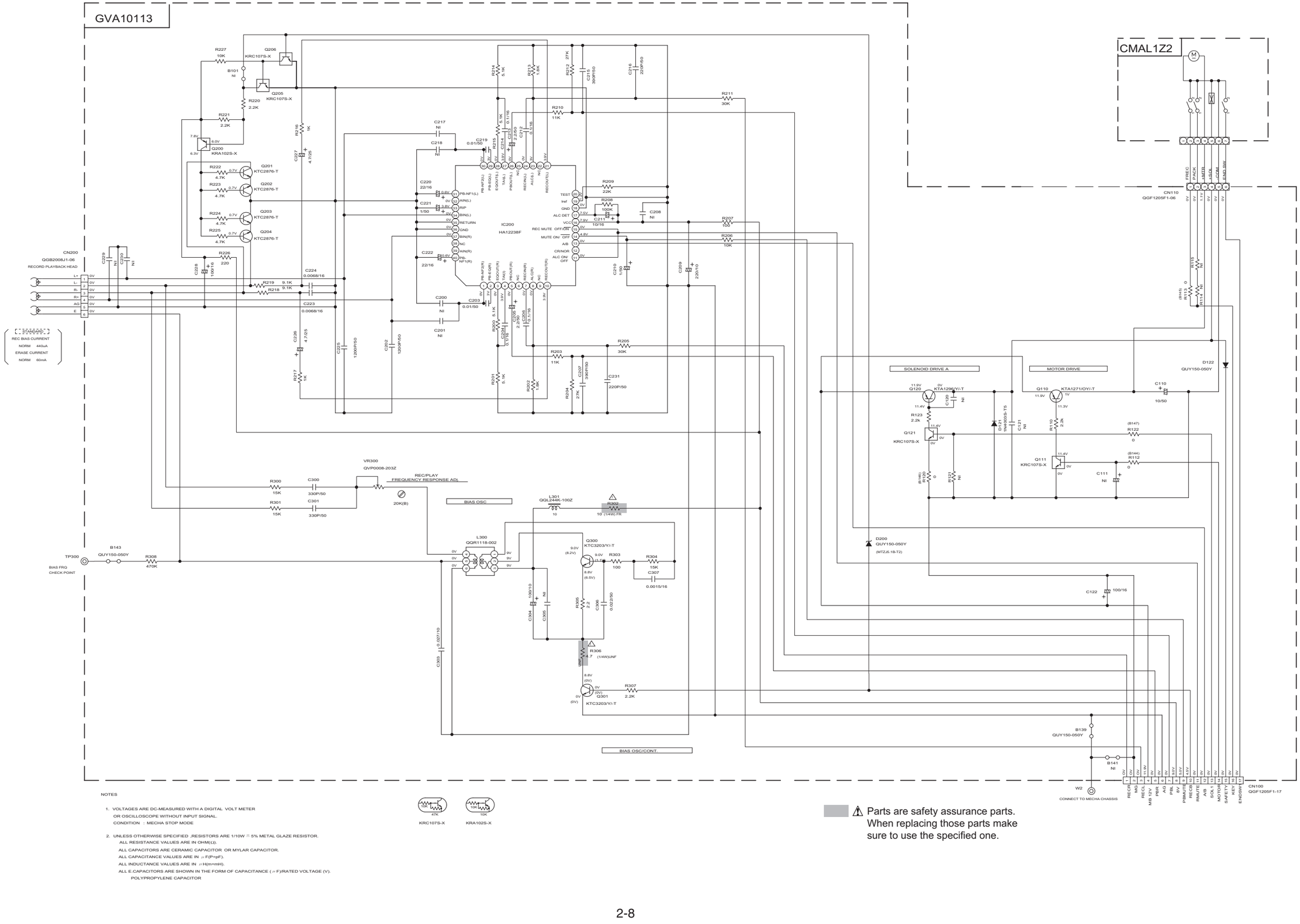
R1 R2	R1 10K / R2 10K	KRC102S-X

NOTES 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP MODE

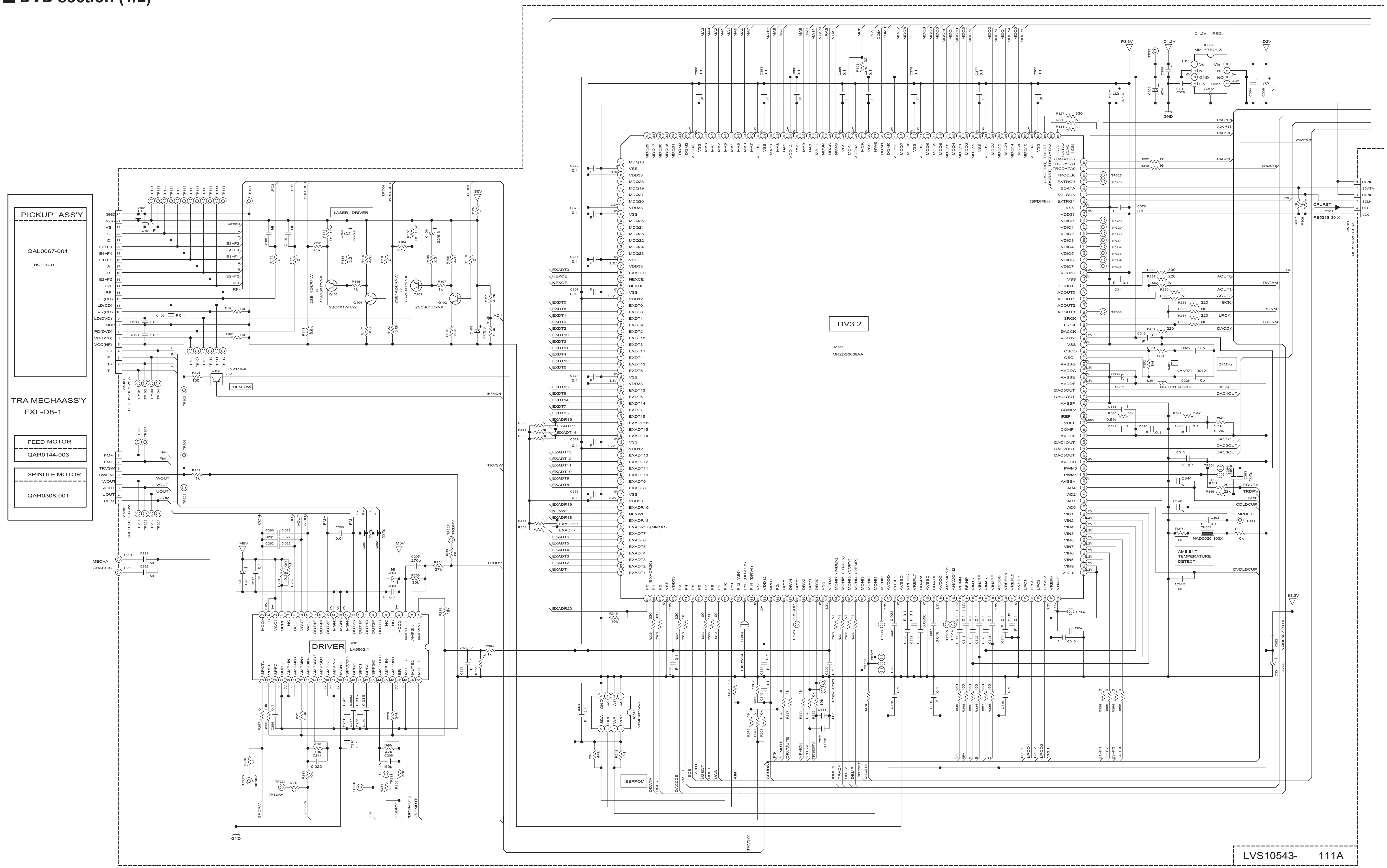
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/10W ± 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).

3. NI = NO INSERT

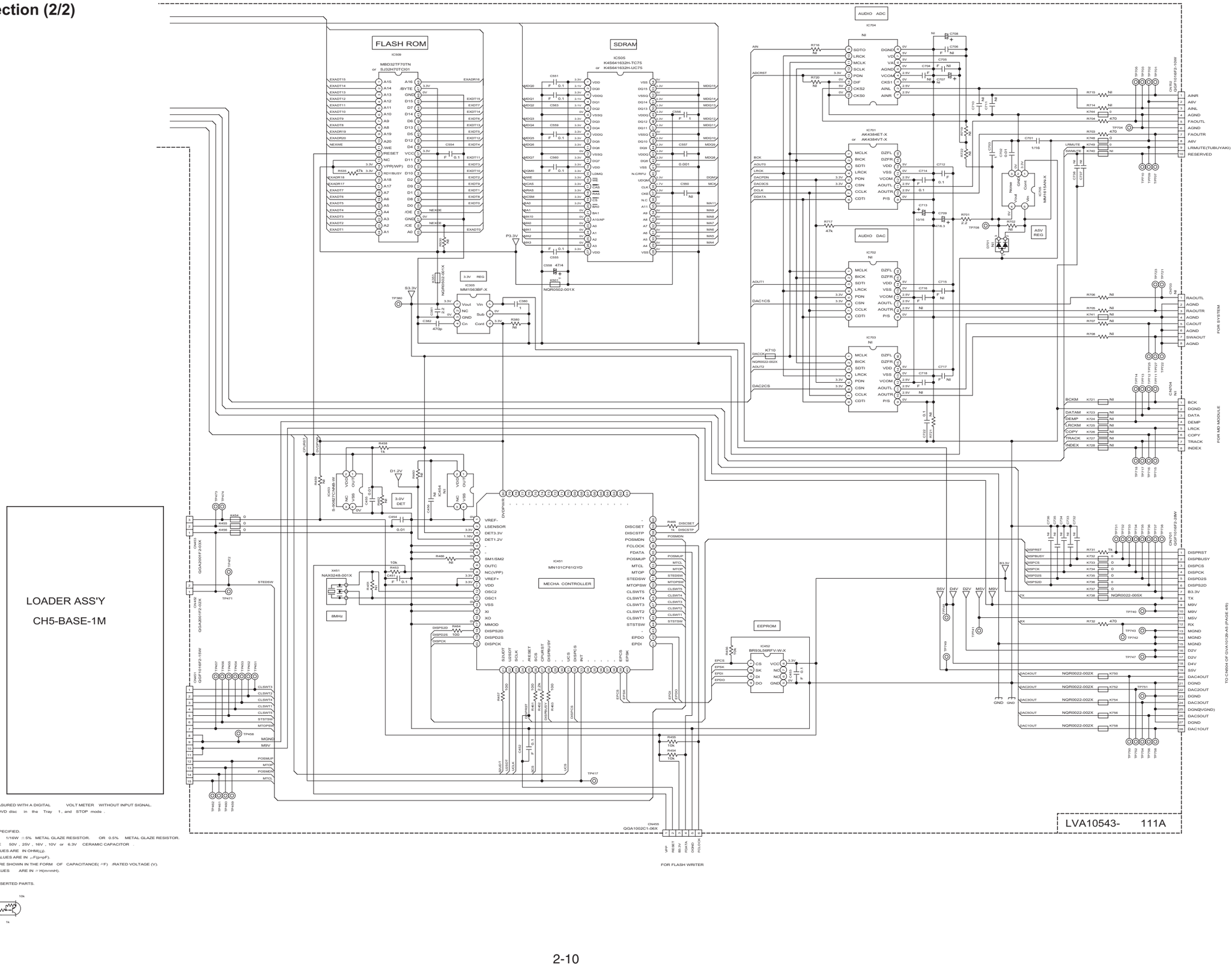
■ Cassette mechanism section



■ DVD section (1/2)


PICKUP ASS'Y
QAL0667-001
HOP-1401
TRA MECHAASS'Y
FXL-D8-1
FEED MOTOR
QAR0144-003
SPINDLE MOTOR
QAR0308-001
LASER DRIVER
HFM SW
MECHA
CHASSIS
DRIVER
IC201
LA6502-X
EEPROM
IC510
BR24L16FV-W-X
DV3.2
IC301
MN2DS0009AA
D1.2V REG.
IC302
MM1701CH-X
27MHz
NAX0741-001X
AMBIENT TEMPERATURE DETECT
NAD0025-103X
FOR ICE
CN301
QGA1002C1-06X
CN101
QGF0523F1-25W
CN201
QGF1016F2-08W
LVS10543- 111A

■ DVD section (2/2)



NOTES

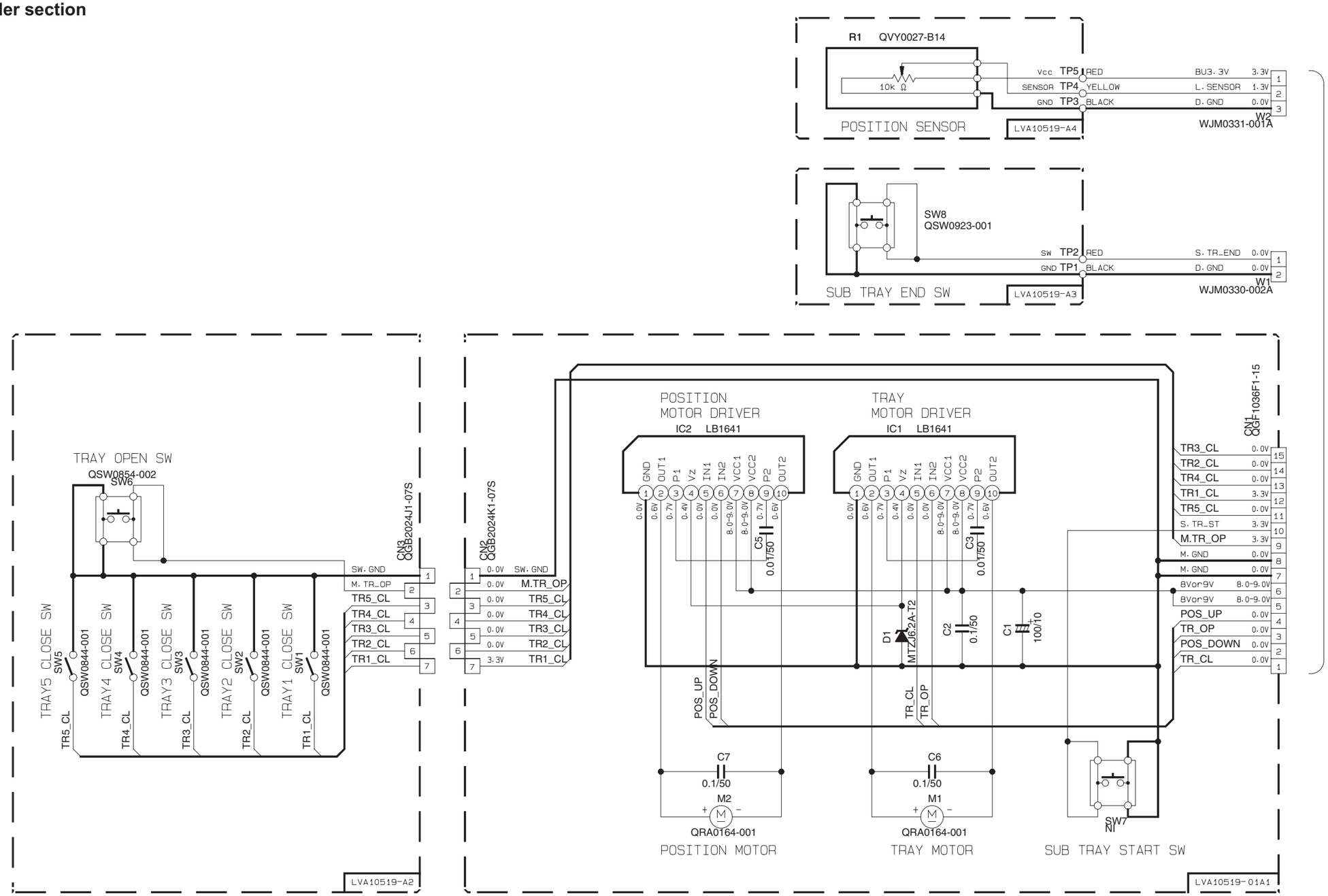
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION --- A DVD disc in the Tray 1, and STOP mode .

2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V , 25V , 16V , 10V or 6.3V CERAMIC CAPACITOR .
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(/F) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN /H(m=mH).

3. NI STANDS FOR NOT INSERTED PARTS.

4.DIGITAL TRANSISTOR

■ Loader section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
   CONDITION:DISC1 STOP
2. UNLESS OTHERWISE SPECIFIED.
   ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).
3. NI STANDS FOR NOT INSERTED PARTS.

Printed circuit boards

■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Main board)

(Mic board)

(Switch board)

(Jack board)

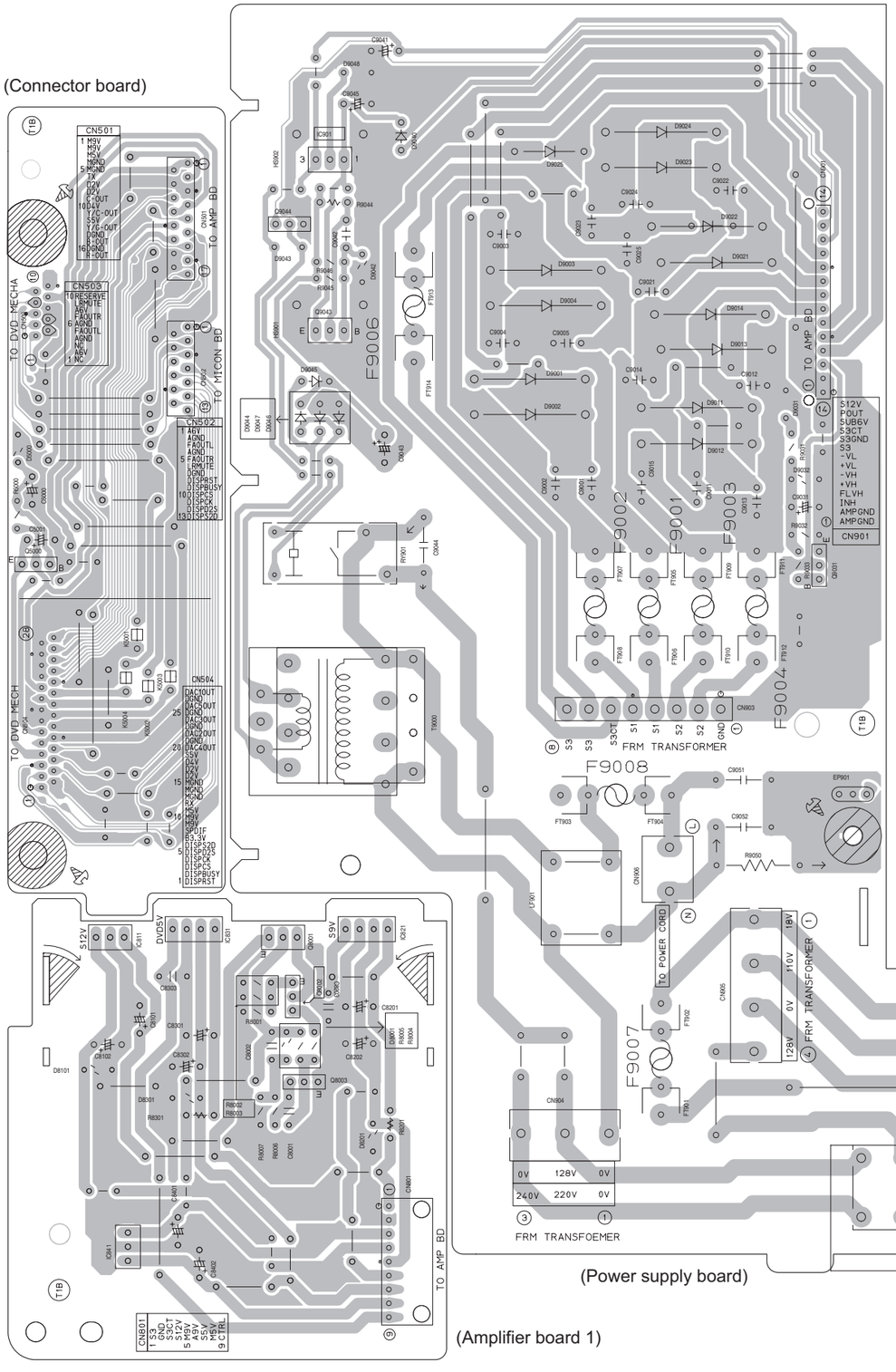
(FL board)

(Video board)

■ Amp board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

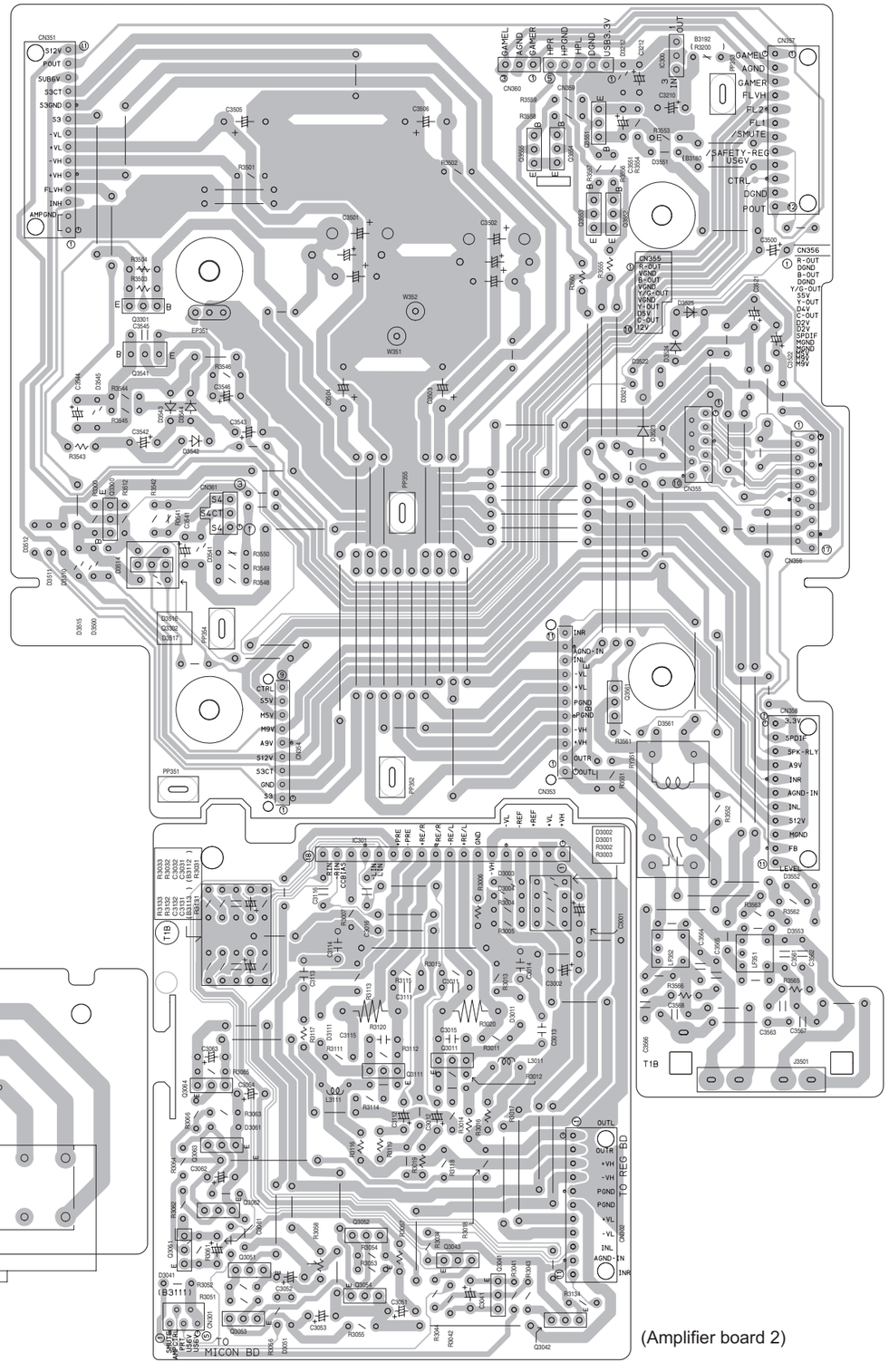
(Connector board)



(Amplifier board 1)

(Power supply board)

(Power amplifier board)

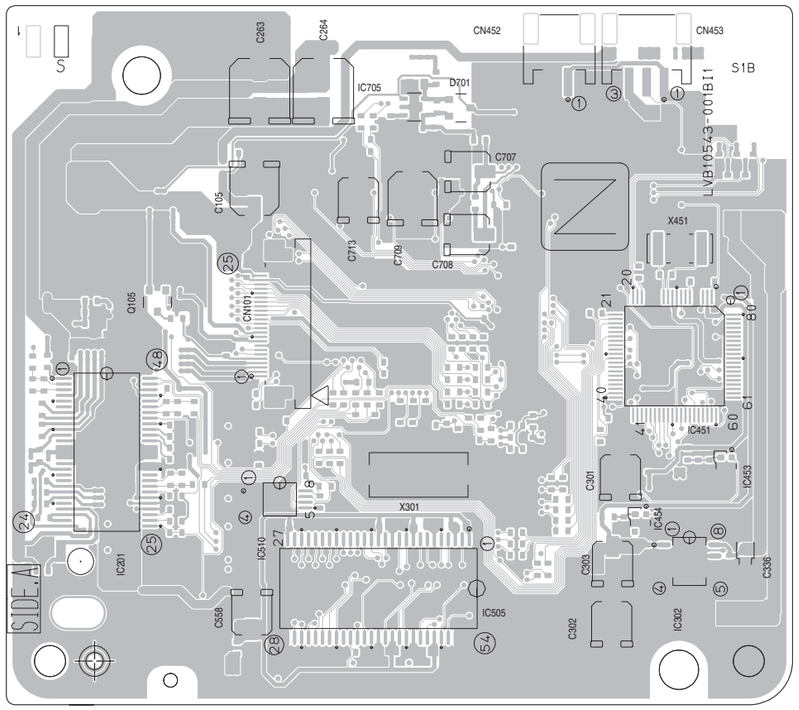


(Amplifier board 2)

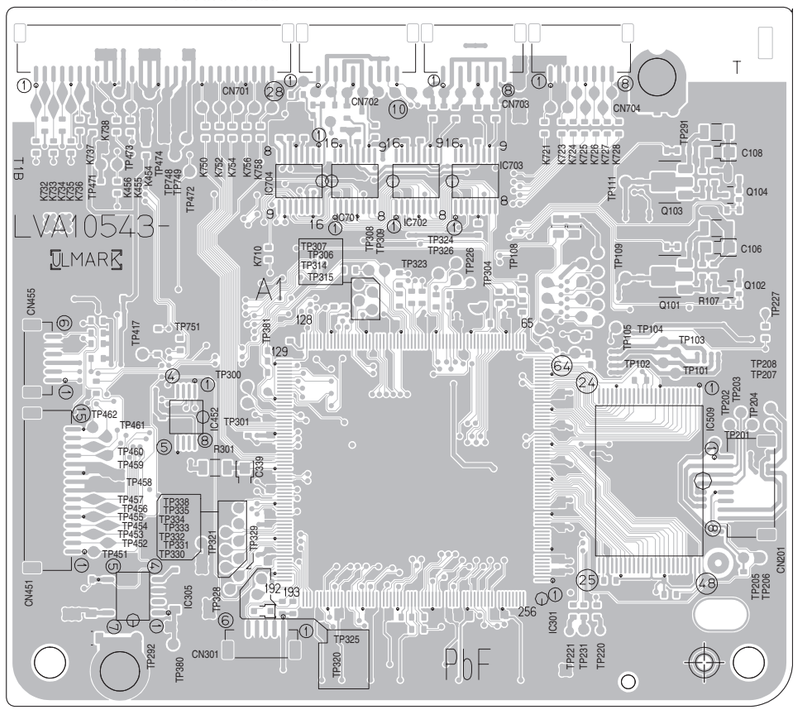
■ DVD board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

forward side

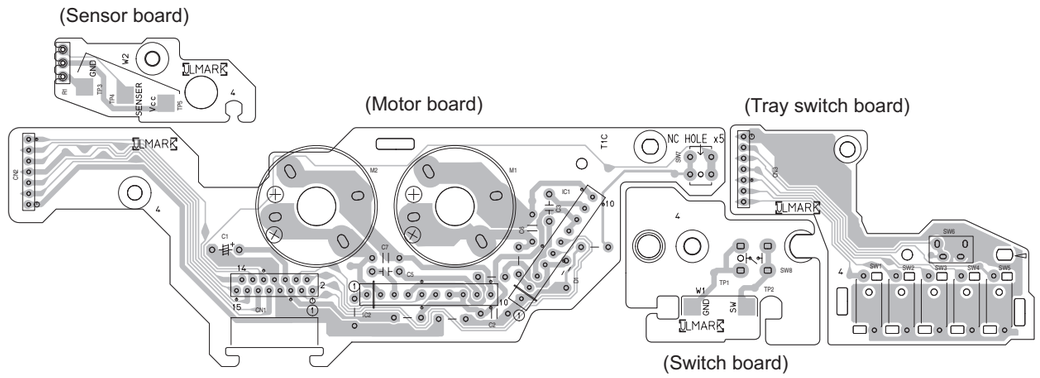


reverse side



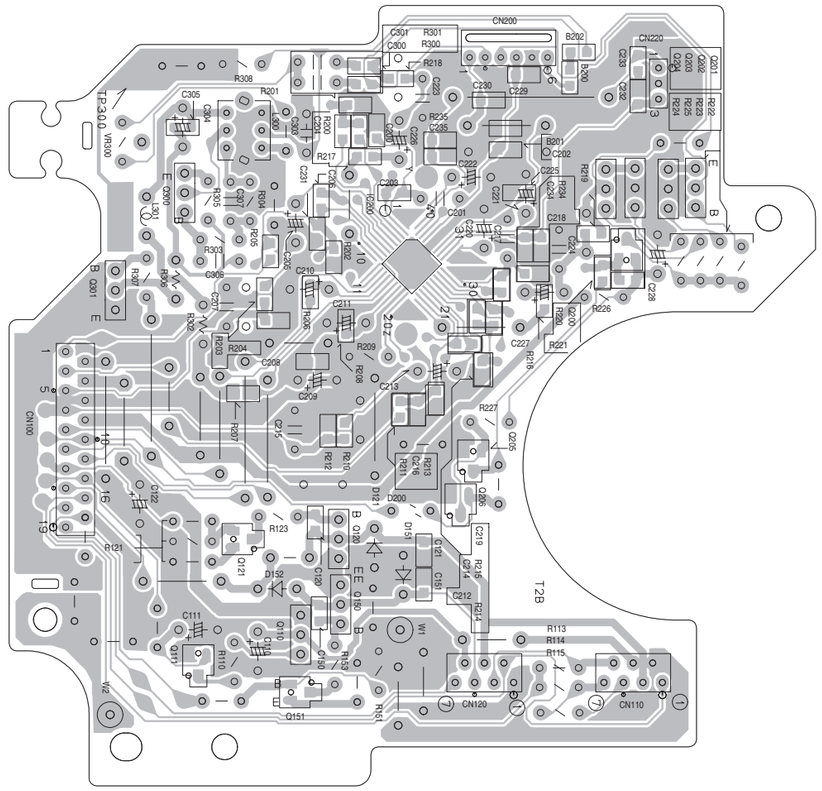
■ Loader board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



■ Cassette board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



< MEMO >

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB551SCH)

Printed in Japan
VPT

PARTS LIST

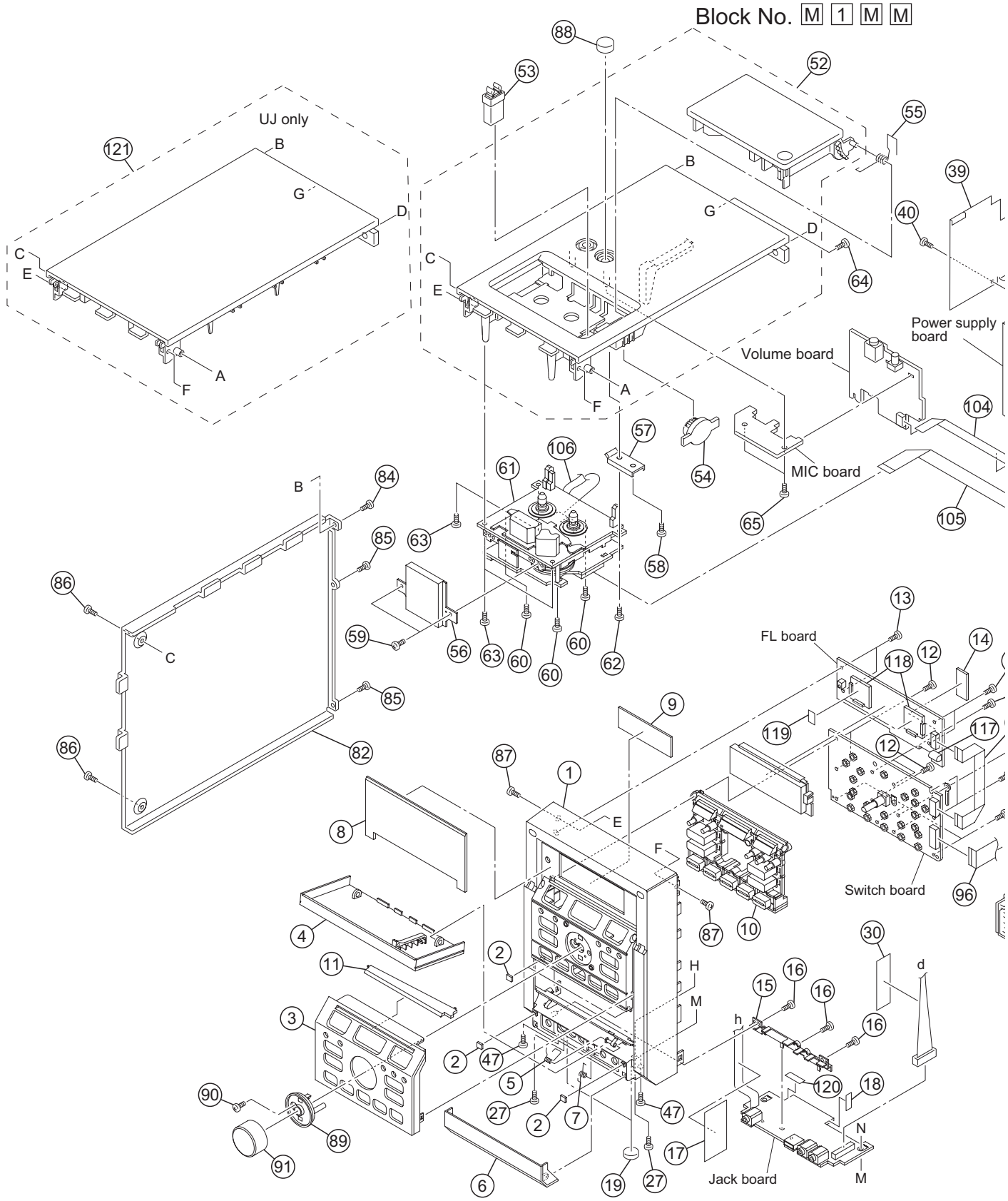
UX-G70A,UX-G70UJ,UX-G70UN

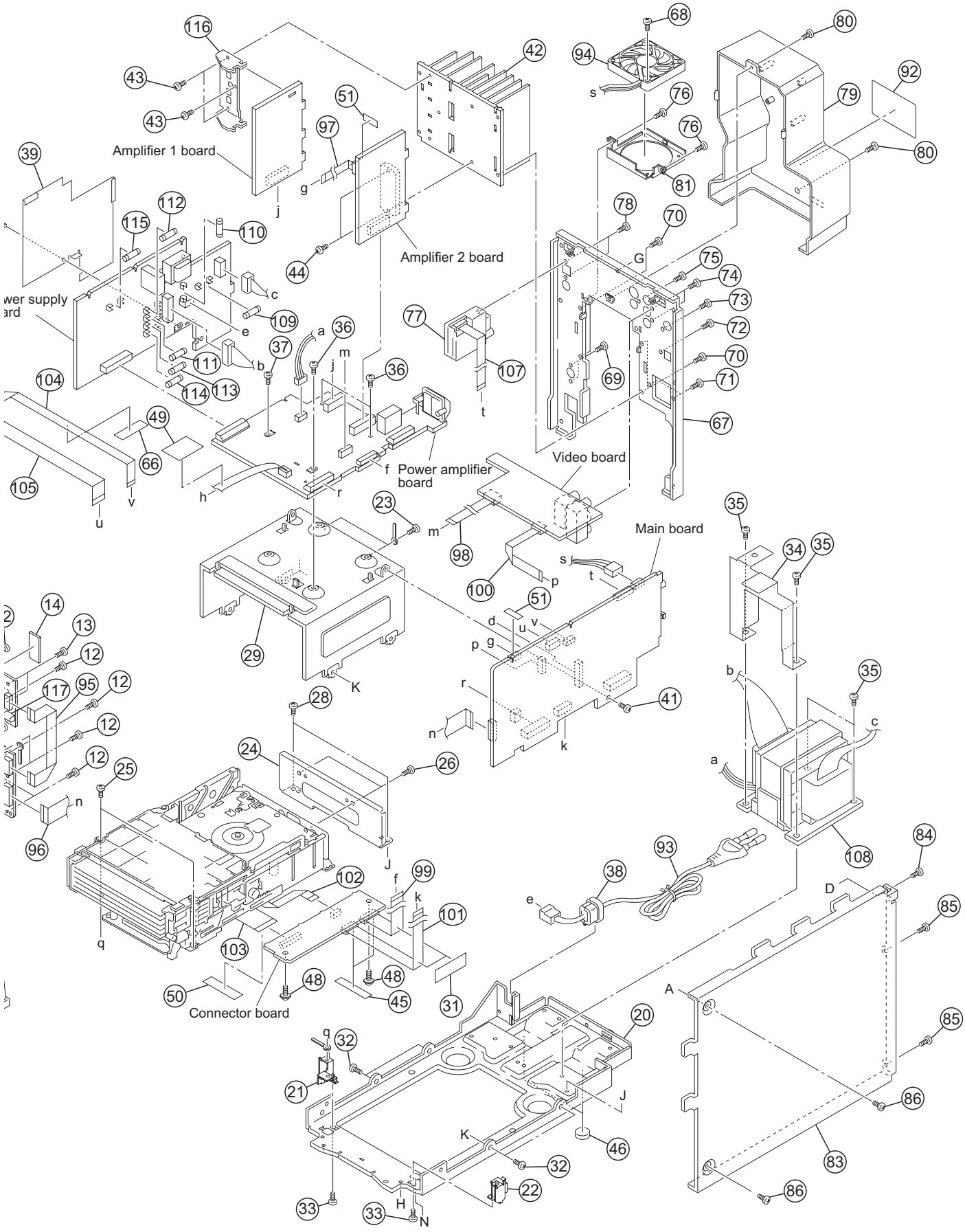
* All printed circuit boards and its assemblies are not available as service parts.

- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3- 2
DVD mechanism assembly and parts list (Block No.MJ) ---------- 3- 6
DVD changer mechanism assembly and parts list (Block No.MK) ---------- 3- 8
Electrical parts list (Block No.01~05) ---------- 3-10
Packing materials and accessories parts list (Block No.M3) ---------- 3-20

Exploded view of general assembly and parts list




Amplifier 1 board
Amplifier 2 board
Power amplifier board
Video board
Main board
Connector board

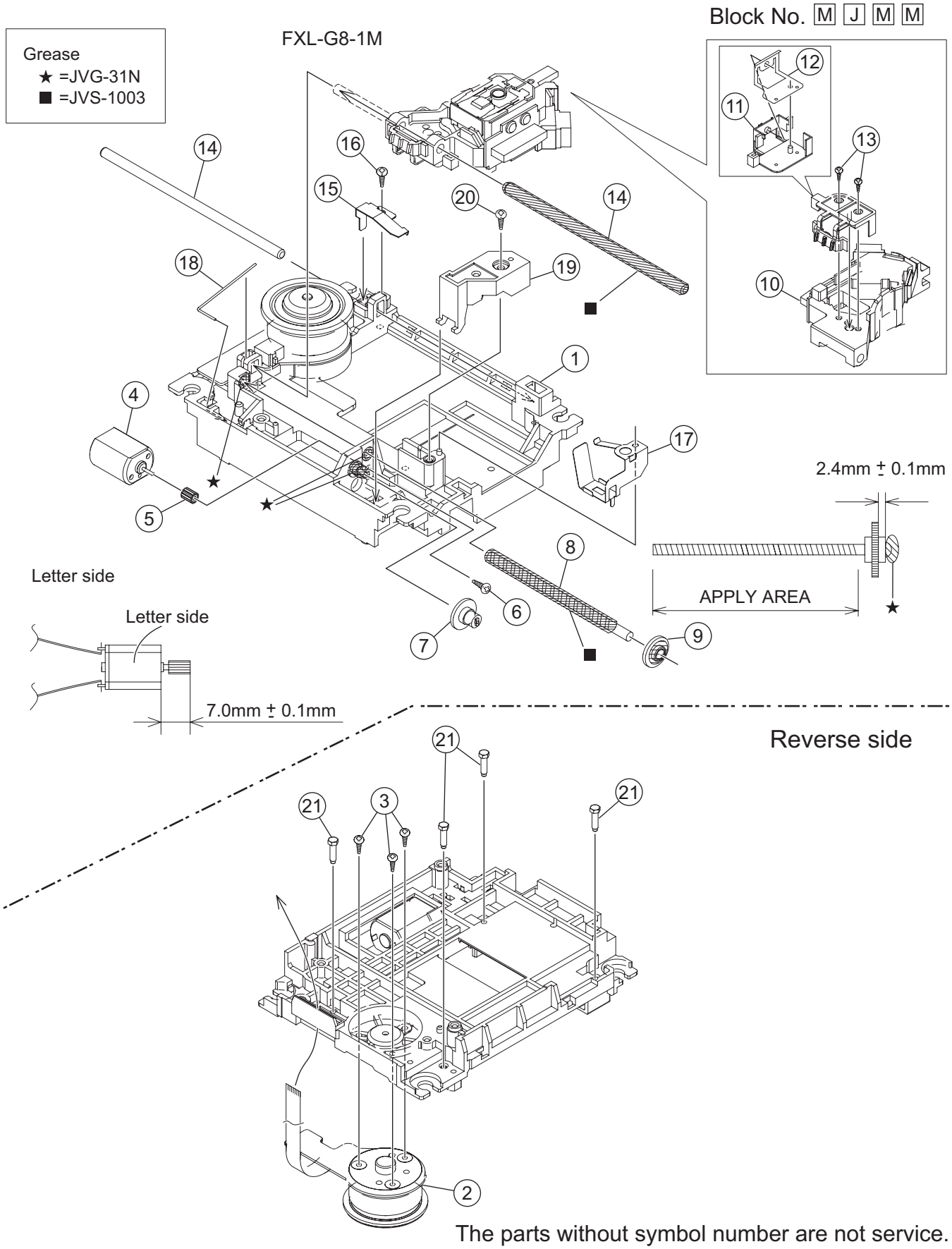
General Assembly

Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10331-003A	FRONT PANEL		A,UN
	1	GV10331-002A	FRONT PANEL		UJ
	2	GV40704-001A	SPACER	(x4)	
	3	GV20441-002A	FRONT COVER		A,UN
	3	GV20441-001A	FRONT COVER		UJ
	4	GV20437-001A	DVD DOOR		
	5	GV40702-002A	DVD DOOR SPRING		
	6	GV30903-001A	JACK COVER		
	7	GV40703-001A	J.COVER SPRING		
	8	GV30899-003A	FRONT LENS		A,UN
	8	GV30899-002A	FRONT LENS		UJ
	9	GV40678-002A	FL SCREEN		
	10	GV30900-001A	FUNCT. BTN ASSY		A,UN
	10	GV30900-003A	FUNCT. BTN ASSY		UJ
	11	GV30844-001A	ILLUMI. LENS		
	12	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x12)	
	13	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	14	GV30349-060A	SPACER		
	15	GV30904-001A	HP HOLDER		
	16	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x3)	
	17	LV30225-0E4A	SPACER		
	18	LV30225-011A	SPACER		
	19	GV40184-002A	FOOT SPACER	(x2)	
	20	GV10288-003A	BOTTOM CHAS		
	21	GV40701-001A	MECHA HOLDER		
	22	GV40715-001A	MECHA HDR R		
	23	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	24	GV30447-001A	CD BRACKET(R)		
	25	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	26	QYSBST3004ZA	TAP SCREW	M3 x 4mm(x2)	
	27	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x2)	
	28	QYSBST4006ZA	TAP SCREW	M4 x 6mm(x2)	
	29	GV10334-001A	MAIN CHASSIS		
	30	LV30225-0E4A	SPACER		
	31	LV30225-0P8A	SPACER		
	32	QYSSST3006ZA	TAP SCREW	M3 x 6mm(x4)	
	33	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	34	GV30826-201A	HEAT BARRIER		
	35	QYSBST4006ZA	TAP SCREW	M4 x 6mm(x4)	
	36	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x3)	
	37	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
⚠	38	QZW0033-001	STRAIN RELIEF		
	39	GV30914-001A	PROTECT SHEET		
	40	QYSBST3006ZA	TAP SCREW	M3 x 6mm	
	41	QYSBST3006ZA	TAP SCREW	M3 x 6mm	
	42	GV30818-002A	HEAT SINK		
	43	QYSBSG3016EA	TAP SCREW	M3 x 16mm(x3)	
	44	QYSBSG3016EA	TAP SCREW	M3 x 16mm(x2)	
	45	LV30225-011A	SPACER	(x2)	
	46	GV40184-002A	FOOT SPACER	(x2)	
	47	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	48	GV40035-002A	SCREW	(x2)	
	49	GV30349-067A	SPACER		
	50	GV30349-005A	SPACER		
	51	GV40121-005A	SPACER	(x2)	A,UN
	52	GV20442-002A	TOP COVER ASSY		A
	52	GV20442-001A	TOP COVER ASSY		UN
	53	GV40220-001A	LACH		A,UN
	54	GV40034-001A	DAMPER ASSY.		A,UN
	55	GV40705-001A	DOOR SPRING		A,UN
	56	GV30839-001A	HEAD SHIELD		A,UN
	57	LV43116-001A	MECHA BRACKET		A,UN
	58	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	A,UN
	59	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	A,UN
	60	QYSDSF2006ZA	TAP SCREW	M2 x 6mm(x3)	A,UN
	61	QAL0788-001	CASS.MECHANISM		A,UN
	62	QYSBST3006ZA	TAP SCREW	M3 x 6mm	A,UN
	63	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x3)	A,UN
	64	QYSBSG3008EA	TAP SCREW	M3 x 8mm	
	65	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	UN
	66	LV30225-011A	SPACER		UN
	67	GV20386-013A	REAR PANEL		A
	67	GV20386-015A	REAR PANEL		UJ
	67	GV20386-010A	REAR PANEL		UN

⚠	Symbol No.	Part No.	Part Name	Description	Local
	68	QYSBSG3014ZA	TAP SCREW	M3 x 14mm	
	69	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	UJ,UN
	70	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x4)	
	71	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	72	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	73	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	74	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	75	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	76	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	77	QAU0412-001	TUNER	FM/AM	
	78	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	79	GV10287-001A	REAR COVER		
	80	QYSBSG3008EA	TAP SCREW	M3 x 8mm(x2)	
	81	GV30905-001A	FAN BRACKET		
	82	GV20387-001A	SIDE PANEL (L)		
	83	GV20388-001A	SIDE PANEL (R)		
	84	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	85	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x4)	
	86	QYSDSG3008NA	TAP SCREW	M3 x 8mm(x4)	
	87	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	88	GV40285-002A	MIC VOL KNOB		UN
	89	GV30902-001A	VOLUME RING		
	90	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	91	GV30901-001A	VOLUME KNOB		
	92	GV30917-012A	RATING LABEL		A
	92	GV30917-013A	RATING LABEL		UJ
	92	GV30917-010A	RATING LABEL		UN
⚠	93	QMPG150-244-JC	POWER CORD(AST)	2.44m BLACK	A
⚠	93	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	UJ,UN
	94	QAR0407-001	FAN		
	95	QUQU12-1213AJ-E	FFC WIRE	12pin 13cm	
	96	QUQU12-1712AJ-E	FFC WIRE	17pin 12cm	
	97	QUQU12-0519AJ-E	FFC WIRE	5pin 19cm	
	98	QUQU12-1017BJ-E	FFC WIRE	10pin 17cm	
	99	QUQU12-1712AJ-E	FFC WIRE	17pin 12cm	
	100	QUQU12-0415BJ-E	FFC WIRE	4pin 15cm	
	101	QUQU12-1312BJ-E	FFC WIRE	13pin 12cm	
	102	QUR110-1008AJ-E	FFC WIRE		
	103	QUR110-2806AJ-E	FFC WIRE		
	104	QUQU12-0522BJ-E	FFC WIRE	5pin 22cm	UN
	105	QUQU12-1717AJ-E	FFC WIRE	17pin 17cm	A,UN
	106	QUQU12-0607BJ-E	FFC WIRE	6pin 7cm	A,UN
	107	QUQU12-1118AJ-E	FFC WIRE	11pin 18cm	
⚠	108	QQT0510-004	POWER TRANSF	T9001	A
⚠	108	QQT0510-003	POWER TRANSF	T9001	UJ,UN
⚠	109	QMF51W2-2R5-J8	FUSE	F9007 2.5A AC250V	UJ,UN
⚠	110	QMF51W2-2R5-J8	FUSE	F9008 2.5A AC250V	A
⚠	110	QMF51W2-5R0-J8	FUSE	F9008 5A AC250V	UJ,UN
⚠	111	QMF51W2-6R3-J8	FUSE	F9001 6.3A AC250V	
⚠	112	QMF51W2-6R3-J8	FUSE	F9002 6.3A AC250V	
⚠	113	QMF51W2-3R15-J8	FUSE	F9003 3.15A AC250V	
⚠	114	QMF51W2-3R15-J8	FUSE	F9004 3.15A AC250V	
⚠	115	QMF51W2-3R15-J8	FUSE	F9006 3.15A AC250V	
	116	GV30817-001A	IC BRACKET		
	117	GV40557-001A	LED HOLDER		
	118	LV43659-001A	FL HOLDER	(x2)	
	119	GV30349-048A	SPACER	(x2)	
	120	LV30225-011A	SPACER		UJ
	121	GV10333-002A	TOP COVER		UJ

DVD mechanism assembly and parts list



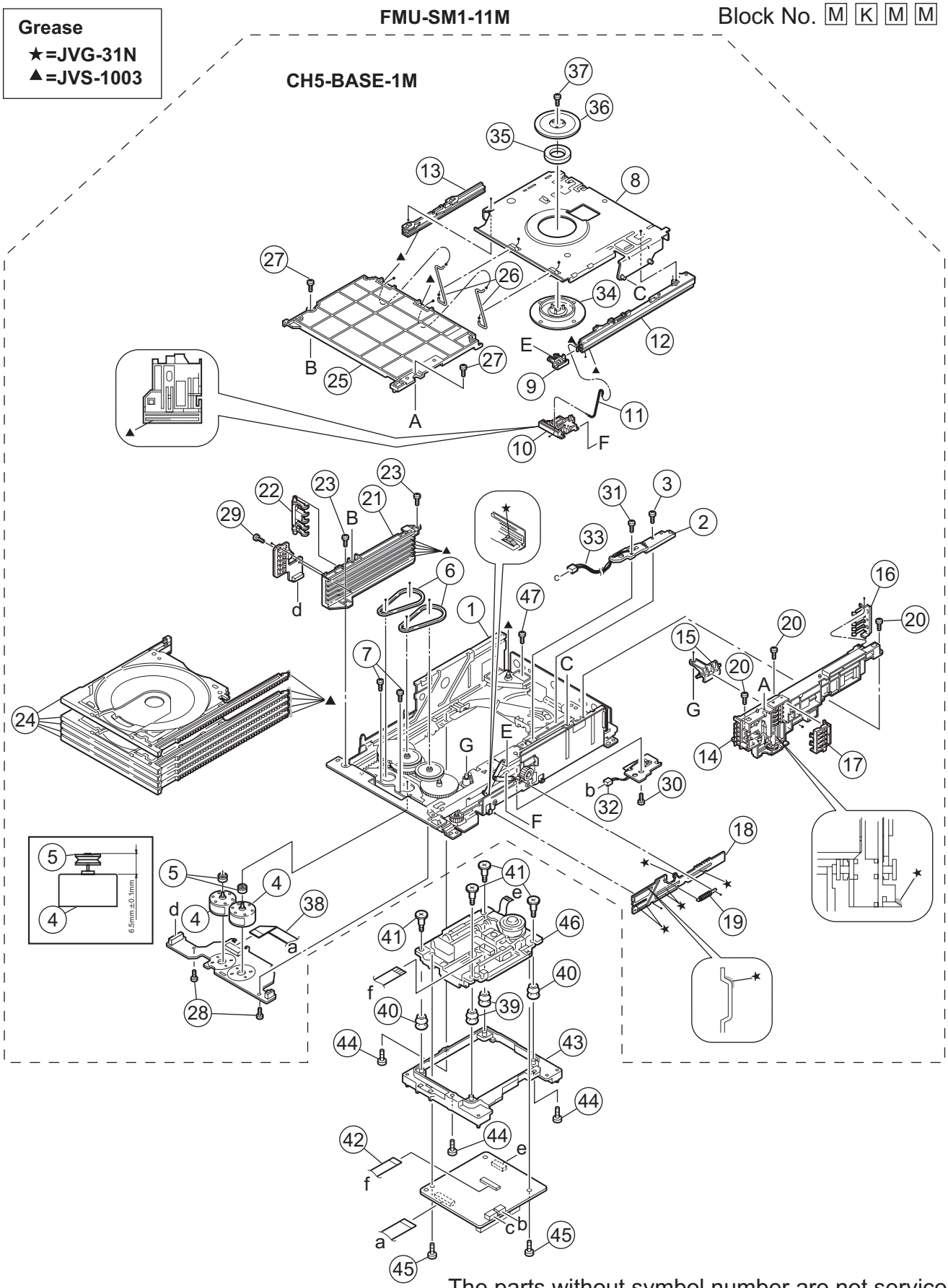
The parts without symbol number are not service.

DVD mechanism

Block No. [M][J][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10985-002A	C.TM CHASSIS		
	2	QAR0334-002	S.MOTOR		
	3	QYSPSPU1740ZA	SCREW	M1.7 x 4mm(x3)	
	4	QAR0144-003	MOTOR		
	5	VKS5557-001	F.M. GEAR		
	6	QYSPSPT2025ZA	SCREW	M2 x 2.5mm	
	7	LV35461-002A	MIDDLE GEAR		
	8	LV44040-001A	SCREW SHAFT		
	9	LV35462-001A	SCREW SHAFT GEA		
	10	QAL0667-002	DVD PICK		
	11	LV21869-001A	RACK ARM		
	12	LV35463-001A	RACK ARM SPRING		
	13	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	14	LV44041-001A	GUIDE SHAFT	(x2)	
	15	LV35464-001A	G.SHAFT ADJ.SP		
	16	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	17	LV35465-002A	THRUST SPRING		
	18	LV44042-001A	ROD SPRING		
	19	LV35467-001A	FEED BRACKET		
	20	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	21	LV44046-001A	ADJUST SCREW	(x4)	

DVD changer mechanism assembly and parts list



The parts without symbol number are not service.

DVD changer mechanism

Block No. [M][K][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10913-006A	LOADER ASSY		
	2	QVY0027-B14	S V RESISTOR		
	3	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	4	QAR0164-001	MOTOR	(x2)	
	5	LV42340-001A	MOTOR PULLEY	(x2)	
	6	LV41431-002A	BELT	(x2)	
	7	QYSPSPU1725NA	SCREW	M1.7 x 2.5mm(x2)	
	8	LV33965-005A	LIFTER ASSY		
	9	LV33963-001A	HOOK		
	10	LV33964-002A	HOOK STOPPER		
	11	LV43285-001A	ROD (L)		
	12	LV21408-002A	RAIL(R)		
	13	LV21409-002A	RAIL(L)		
	14	LV21520-004A	SIDE(R) ASSY		
	15	LV33974-002A	SELECT LEVER		
	16	LV33977-002A	CLICK SPRING		
	17	LV33975-001A	GEAR COVER		
	18	LV33976-002A	ELEVATOR CAM		
	19	LV43287-001A	ELEVATOR SPRING		
	20	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	21	LV10749-003A	SIDE(L)		
	22	LV33980-002A	OPEN DET.LEVER		
	23	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
	24	LV10746-007A	TRAY ASSY	(x5)	
	25	LV10750-003A	TOP COVER		
	26	LV43289-003A	ROD	(x2)	
	27	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	28	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
	29	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	30	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm	
	31	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	32	WJM0330-002A-E	E-SI C WIRE C-F		
	33	WJM0331-001A-E	E-SI C WIRE C-F		
	34	LV32417-001A	CLAMPER		
	35	LV42930-003A	P.C.MAGNET		
	36	LV33992-001A	DVD YOKE		
	37	LV41741-003A	SPECIAL SCREW		
	38	QUQ110-1508BJ-E	FFC WIRE	15pin 8cm	
	39	LV44043-002A	INSULATOR	(x2)	
	40	LV44043-003A	INSULATOR	(x2)	
	41	LV44045-001A	SPECIAL SCREW	(x4)	
	42	LV44092-004A	PICK FFC		
	43	LV10986-001A	TRAMECHA HOLDER		
	44	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	45	LV44209-001A	WASHER SCREW	(x2)	
	46	----------	DVD TRAMECHA		
	47	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm	

Electrical parts list

Main board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC300	PQ033ES3MX-T	IC		
⚠ IC301	STK412-490-E	IC		
⚠ IC811	KIA7812API	IC		
⚠ IC821	KIA278R09PI	IC		
⚠ IC831	KIA278R05PI	IC		
IC901	KIA7805API	IC		
Q3011	KTC3200/GL/-T	TRANSISTOR		
Q3041	KRA109M-T	DIGI TRANSISTOR		
Q3042	KTC2876-T	TRANSISTOR		
Q3043	KTC2876-T	TRANSISTOR		
Q3051	KTA1023/OY/-T	TRANSISTOR		
Q3052	KTC1027/OY/-T	TRANSISTOR		
Q3053	KTC3200/GL/-T	TRANSISTOR		
Q3054	KTA1268/GL/-T	TRANSISTOR		
Q3061	KTC3200/GL/-T	TRANSISTOR		
Q3062	KTA1268/GL/-T	TRANSISTOR		
Q3063	KTC3199/GL/-T	TRANSISTOR		
Q3064	KTA1268/GL/-T	TRANSISTOR		
Q3111	KTC3200/GL/-T	TRANSISTOR		
Q3300	KRC102M-T	DIGI TRANSISTOR		
⚠ Q3541	KTC2026/Y/	TRANSISTOR		
Q3551	KRA109M-T	DIGI TRANSISTOR		
Q3552	KTC2876-T	TRANSISTOR		
Q3553	KTC2876-T	TRANSISTOR		
Q3554	KTC2876-T	TRANSISTOR		
Q3555	KTC2876-T	TRANSISTOR		
Q3561	KTC3199/GL/-T	TRANSISTOR		
Q5000	KTC3199/GL/-T	TRANSISTOR		
⚠ Q8001	KTA1046/Y/	TRANSISTOR		
Q8002	KTC3199/GL/-T	TRANSISTOR		
Q8003	KTC3199/GL/-T	TRANSISTOR		
Q9043	KTC2026/Y/	TRANSISTOR		UJ,UN
Q9044	KRC111M-T	TRANSISTOR		
D3001	MTZJ36B-T2	Z DIODE		
D3002	MTZJ15B-T2	Z DIODE		
D3003	MTZJ15B-T2	Z DIODE		
D3004	MTZJ36B-T2	Z DIODE		
D3011	1SS133-T2	SI DIODE		
D3051	1SS133-T2	SI DIODE		
D3061	1SS133-T2	SI DIODE		
D3111	1SS133-T2	SI DIODE		
D3212	MTZJ3.9B-T2	Z DIODE		
D3500	MTZJ11C-T2	Z DIODE		
D3510	1SS133-T2	SI DIODE		
D3511	1SS133-T2	SI DIODE		
D3512	1SS133-T2	SI DIODE		
D3514	1SS133-T2	SI DIODE		
D3515	MTZJ13B-T2	Z DIODE		
D3516	1SS133-T2	SI DIODE		
D3517	MTZJ5.6A-T2	Z DIODE		
D3521	1SS133-T2	SI DIODE		
D3522	1SS133-T2	SI DIODE		
D3523	2A02-M	DIODE		
D3524	1N4003S-T5	SI DIODE		
D3541	MTZJ5.6B-T2	Z DIODE		
D3542	1N4003S-T5	SI DIODE		
D3543	1N4003S-T5	SI DIODE		
D3544	1N4003S-T5	SI DIODE		
D3545	MTZJ33B-T2	Z DIODE		
D3551	1SS133-T2	SI DIODE		
D3552	1SS133-T2	SI DIODE		
D3553	1SS133-T2	SI DIODE		
D3561	1SS133-T2	SI DIODE		
D5000	MTZJ4.3B-T2	Z DIODE		
D8001	MTZJ5.6C-T2	Z DIODE		
⚠ D9001	1N5402M-20	SI DIODE		
⚠ D9002	1N5402M-20	SI DIODE		
⚠ D9003	1N5402M-20	SI DIODE		
⚠ D9004	1N5402M-20	SI DIODE		
⚠ D9011	1N5402M-20	SI DIODE		
⚠ D9012	1N5402M-20	SI DIODE		
⚠ D9013	1N5402M-20	SI DIODE		
⚠ D9014	1N5402M-20	SI DIODE		
⚠ D9021	1N5402M-20	SI DIODE		
⚠ D9022	1N5402M-20	SI DIODE		
⚠ D9023	1N5402M-20	SI DIODE		
⚠ D9024	1N5402M-20	SI DIODE		
D9025	2A02-M	DIODE		
D9040	1N4003S-T5	SI DIODE		
D9042	MTZJ11C-T2	Z DIODE		UJ,UN
D9043	1SS133-T2	SI DIODE		
D9044	1N4003S-T5	SI DIODE		
D9045	1N4003S-T5	SI DIODE		
D9046	1N4003S-T5	SI DIODE		
D9047	1N4003S-T5	SI DIODE		
D9048	1SS133-T2	SI DIODE		
C3011	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
C3012	QTE1E28-476Z	E CAPACITOR	47uF 25V	
C3013	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C3014	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C3015	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C3016	QCSB1HJ-470Y	C CAPACITOR	47pF 50V J	
C3031	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3032	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C3041	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3051	QETN1JM-476Z	E CAPACITOR	47uF 63V M	
C3052	QETN1JM-476Z	E CAPACITOR	47uF 63V M	
C3053	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3054	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C3061	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3062	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3063	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3111	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
C3112	QTE1E28-476Z	E CAPACITOR	47uF 25V	
C3113	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C3114	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C3115	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C3116	QCSB1HJ-470Y	C CAPACITOR	47pF 50V J	
C3131	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3132	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C3210	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3212	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3500	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C3501	QEZ0784-478	E CAPACITOR	4700uF 56V M	
C3502	QEZ0784-478	E CAPACITOR	4700uF 56V M	
C3503	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C3504	QETM1EM-478	E CAPACITOR	4700uF 25V M	
C3505	QETM1VM-338	E CAPACITOR	3300uF 35V M	
C3506	QETM1VM-338	E CAPACITOR	3300uF 35V M	
C3521	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3522	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3541	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3542	QETN1JM-107Z	E CAPACITOR	100uF 63V M	
C3543	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C3544	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C3545	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C3546	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C3551	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3567	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3568	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C5000	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C5001	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8001	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C8002	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C8101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8102	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C8201	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8202	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C8203	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C8301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C9002	QFZ0228-104Z	M CAPACITOR	0.1uF 250V M	
C9004	QFZ0228-104Z	M CAPACITOR	0.1uF 250V M	
C9005	QFZ0228-104Z	M CAPACITOR	0.1uF 250V M	
C9012	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C9014	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C9015	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C9022	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C9024	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C9025	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C9041	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C9042	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	UJ,UN
C9043	QEZ0797-108Z	E CAPACITOR	1000uF	A
C9043	QEZ0798-477	E CAPACITOR	470uF	UJ,UN
C9044	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C9045	QEKC1EM-476Z	E CAPACITOR	47uF 25V M	UJ,UN
R3002	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3003	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3004	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3005	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
⚠ R3006	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3007	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3011	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3012	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3013	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R3014	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3015	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3016	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R3017	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R3018	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3019	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	
R3020	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R3031	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3032	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3033	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R3034	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3041	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3042	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	
R3043	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3044	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3051	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3052	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3053	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3054	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3055	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3056	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
⚠ R3057	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
⚠ R3058	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3061	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3062	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3063	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3064	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3065	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3066	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3111	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3112	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3113	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R3114	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3115	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3116	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R3117	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R3118	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3119	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	
R3120	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R3131	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3132	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3133	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R3134	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3300	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3501	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R3502	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R3541	QRE141J-9R1Y	C RESISTOR	9.1Ω 1/4W J	
R3542	QRE141J-9R1Y	C RESISTOR	9.1Ω 1/4W J	
⚠ R3543	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R3544	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3545	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3551	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R3552	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R3553	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3554	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3555	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R3556	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3557	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3558	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3559	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3560	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R3561	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3562	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R3563	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R5000	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R8001	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R8002	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R8003	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R8004	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R8005	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R8006	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R8007	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R9044	QRZ9042-2R2X	F RESISTOR	2.2Ω	UJ,UN
R9045	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	UJ,UN
R9046	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	UJ,UN
L3011	QQLZ035-R39	COIL	0.39uH	
L3111	QQLZ035-R39	COIL	0.39uH	
⚠ T9000	QQT0253-002	POWER TRANSF		A
⚠ T9000	QQT0370-012	POWER TRANSF		UJ,UN
CN301	QGF1205C2-05	CONNECTOR	FFC/FPC (1-5)	
CN302	QGB2510K1-11	CONNECTOR	B-B (1-11)	
CN351	QGB2510K2-14	CONNECTOR	B-B (1-14)	
CN353	QGB2510J1-11	CONNECTOR	B-B (1-11)	
CN354	QGB2510J1-09	CONNECTOR	B-B (1-9)	
CN355	QGF1205C2-10	CONNECTOR	FFC/FPC (1-10)	
CN356	QGF1205F2-17	CONNECTOR	FFC/FPC (1-17)	
CN357	QGB2510K2-12	CONNECTOR	B-B (1-12)	
CN358	QGB2510K2-11	CONNECTOR	B-B (1-11)	
CN359	QGD2504C1-05Z	CONNECTOR	(1-5)	
CN360	QGD2504C1-03Z	CONNECTOR	(1-3)	UJ
CN361	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN501	QGF1205F2-17	CONNECTOR	FFC/FPC (1-17)	
CN502	QGF1205F2-13	CONNECTOR	FFC/FPC (1-13)	
CN503	QGF1036F2-10	CONNECTOR	FFC/FPC (1-10)	
CN504	QGF1036F2-28	CONNECTOR	FFC/FPC (1-28)	
CN801	QGB2510K1-09	CONNECTOR	B-B (1-9)	
CN901	QGB2510J1-14	CONNECTOR	B-B (1-14)	
CN903	QGA3901C1-08	CONNECTOR	W-B (1-8)	
CN904	QGA7901C1-03	CONNECTOR	W-B (1-3)	
CN905	QGA7901C1-04	CONNECTOR	W-B (1-4)	UJ,UN
⚠ CN906	QGA7901C1-02	CONNECTOR	W-B (1-2)	
EP351	QNZ0136-001Z	EARTH PLATE		
FT901	QNG0003-001Z	FUSE CLIP		UJ,UN
FT902	QNG0003-001Z	FUSE CLIP		UJ,UN
FT903	QNG0003-001Z	FUSE CLIP		
FT904	QNG0003-001Z	FUSE CLIP		
FT905	QNG0003-001Z	FUSE CLIP		
FT906	QNG0003-001Z	FUSE CLIP		
FT907	QNG0003-001Z	FUSE CLIP		
FT908	QNG0003-001Z	FUSE CLIP		
FT909	QNG0003-001Z	FUSE CLIP		
FT910	QNG0003-001Z	FUSE CLIP		
FT911	QNG0003-001Z	FUSE CLIP		
FT912	QNG0003-001Z	FUSE CLIP		
FT913	QNG0003-001Z	FUSE CLIP		
FT914	QNG0003-001Z	FUSE CLIP		
HS901	GV40577-001A	HEAT SINK		UJ,UN
J3501	QNB0303-001	SPK JACK		
K5001	QQR0621-001Z	COIL		
K5002	QQR0621-001Z	COIL		
K5003	QQR0621-001Z	COIL		
K5004	QQR0621-001Z	COIL		
PP351	QZW0112-001	WIRE CLAMP		UJ,UN
PP352	QZW0112-001	WIRE CLAMP		
PP353	QZW0112-001	WIRE CLAMP		
PP354	QZW0112-001	WIRE CLAMP		
PP355	QZW0112-001	WIRE CLAMP		
⚠ RY351	QSK0127-001	RELAY		
⚠ RY901	QSK0129-002	RELAY		
⚠ S9001	QSW0812-001	VOLTAGE SWITCH		UJ,UN

Primary board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC100	PT6305	FL DRIVER		
IC101	GP1UM271XKVF	IR DETECT UNIT		
IC130	PCM2704DB-X	IC		
IC140	NJM4565E-X	IC		
IC141	NJM4565E-X	IC		
IC150	NJM4565E-X	IC		UJ
IC200	LC75345M-X	IC		
IC201	NJM4565E-X	IC		UN
IC250	GP1FAV30TK0F	OPT TRANSMITTER		
IC401	BH7868FS-X	IC		
IC402	MM1508XN-X	IC		UJ
IC601	NJM4565E-X	IC		UN
IC602	PT2399-S-W	ECHO IC		UN
IC701	MN101C49GFD1	MASK ROM		
IC702	BR24L08F-W-X	IC(DIGITAL)		
IC703	SN74AHCT08NS-X	IC		
Q1020	KRC111M-T	TRANSISTOR		
Q1100	KRC111M-T	TRANSISTOR		
Q1410	KTC2875-X	CHIP TR.		
Q1411	KTC2875-X	CHIP TR.		
Q1412	KTA1504/YG/-X	TRANSISTOR		
Q1450	KRC109S-X	TRANSISTOR		
Q2200	KTC3203/OY/-T	TRANSISTOR		
Q2250	KTC3875/YG/-X	TRANSISTOR		
Q2260	KTC3875/YG/-X	TRANSISTOR		
Q2300	KTC2875-X	CHIP TR.		
Q2301	KTC3875/YG/-X	TRANSISTOR		
Q2302	KRA109S-X	D.TRANSISTOR		
Q2600	KRA111S-X	D. TRANSISTOR		
Q2601	KTC3875/YG/-X	TRANSISTOR		
Q2610	KTC3875/YG/-X	TRANSISTOR		
Q6001	KTC3875/YG/-X	TRANSISTOR		UN
Q6002	KTC3875/YG/-X	TRANSISTOR		UN
Q6101	KRC102S-X	DIGI TRANSISTOR		UN
Q7301	KRC111S-X	TRANSISTOR		
Q7400	KTA1267/G/-T	TRAN.		
Q7401	KTC3875/YG/-X	TRANSISTOR		
Q7807	KTA1023/OY/-T	TRANSISTOR		
Q7808	KRC102S-X	DIGI TRANSISTOR		
Q7810	KRA102S-X	DIGI TRANSISTOR		
Q7900	KRC111S-X	TRANSISTOR		
Q7901	KRC111S-X	TRANSISTOR		
Q7999	KRA111S-X	D. TRANSISTOR		
D1020	SELU2E10C-P	LED		
D1105	SLR-343VC-T	LED		
D1450	1SS133-T2	SI DIODE		
D2241	MTZJ5.1C-T2	Z DIODE		
D2250	1SS133-T2	SI DIODE		
D2260	1SS133-T2	SI DIODE		
D2261	1SS133-T2	SI DIODE		
D6001	1SS133-T2	SI DIODE		UN
D6002	1SS133-T2	SI DIODE		UN
D6003	MTZJ4.3B-T2	Z DIODE		UN
D6101	MTZJ5.1C-T2	Z DIODE		UN
D7300	1SS133-T2	SI DIODE		
D7301	1SS133-T2	SI DIODE		
D7302	1SS133-T2	SI DIODE		
C1000	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1001	QEKC1HM-226Z	E CAPACITOR	22uF 50V M	
C1002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1005	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1009	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1200	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1300	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1301	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1302	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1304	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1310	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1311	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1312	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C1313	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C1314	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C1315	QER61CM-106Z	E CAPACITOR	10uF 16V M	
C1316	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C1317	QER61CM-106Z	E CAPACITOR	10uF 16V M	
C1318	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C1319	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C1320	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1322	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1323	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1324	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1325	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1326	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1327	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1401	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1404	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1410	QER61HM-226Z	E CAPACITOR	22uF 50V M	
C1411	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1450	QER61HM-225Z	E CAPACITOR	2.2uF 50V M	
C1451	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C1452	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C1453	QER61HM-225Z	E CAPACITOR	2.2uF 50V M	
C1454	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C1455	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C1503	NDC31HJ-181X	C CAPACITOR	180pF 50V J	UJ
C1504	NDC31HJ-181X	C CAPACITOR	180pF 50V J	UJ
C1505	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	UJ
C1506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	UJ
C1511	QER61HM-225Z	E CAPACITOR	2.2uF 50V M	UJ
C1521	QER61HM-225Z	E CAPACITOR	2.2uF 50V M	UJ
C1530	QER61CM-476Z	E CAPACITOR	47uF 16V M	UJ
C2001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2002	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2003	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2005	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2007	QTE1V06-106Z	E CAPACITOR	10uF 35V	UN
C2008	QFLC1HJ-152Z	M CAPACITOR	1500pF 50V J	
C2009	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2010	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2012	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C2013	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2014	QTE1E28-476Z	E CAPACITOR	47uF 25V	
C2018	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2030	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C2050	QTE1E28-476Z	E CAPACITOR	47uF 25V	UN
C2051	NDC31HJ-100X	C CAPACITOR	10pF 50V J	UN
C2055	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2101	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2102	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2103	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2104	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2105	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2107	QTE1V06-106Z	E CAPACITOR	10uF 35V	UN
C2108	QFLC1HJ-152Z	M CAPACITOR	1500pF 50V J	
C2109	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2110	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2112	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C2113	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2114	QTE1E28-476Z	E CAPACITOR	47uF 25V	
C2118	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2130	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C2150	QTE1E28-476Z	E CAPACITOR	47uF 25V	UN
C2151	NDC31HJ-100X	C CAPACITOR	10pF 50V J	UN
C2155	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2200	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2201	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2202	QTE1A28-337Z	E CAPACITOR	330uF 10V	
C2215	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2240	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2241	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2250	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2260	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2261	NCB31AK-154X	C CAPACITOR	0.15uF 10V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2270	QETN1CM-107Z	E CAPACITOR	100uF 16V M	UN
C2300	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2301	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2302	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C2303	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2500	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2600	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C2601	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2610	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C2611	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2620	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4001	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4002	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4003	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4004	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4005	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4006	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4050	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4052	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4053	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4054	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4055	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4101	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4102	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4103	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4104	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4105	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4106	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4150	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C4151	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C4455	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	UJ
C4456	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	UJ
C4457	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	UJ
C4458	QETN1CM-107Z	E CAPACITOR	100uF 16V M	UJ
C6001	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	UN
C6002	NDC31HJ-470X	C CAPACITOR	47pF 50V J	UN
C6003	QETN1HM-105Z	E CAPACITOR	1uF 50V M	UN
C6004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	UN
C6005	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	UN
C6006	QETN1CM-336Z	E CAPACITOR	33uF 16V M	UN
C6007	QETN1CM-107Z	E CAPACITOR	100uF 16V M	UN
C6008	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M	UN
C6009	QETN1CM-107Z	E CAPACITOR	100uF 16V M	UN
C6010	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UN
C6102	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	UN
C6103	NCB31HK-392X	C CAPACITOR	3900pF 50V K	UN
C6104	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	UN
C6105	QETN1EM-106Z	E CAPACITOR	10uF 25V M	UN
C6106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	UN
C6107	NCB31HK-332X	C CAPACITOR	3300pF 50V K	UN
C6108	NCB31HK-561X	C CAPACITOR	560pF 50V K	UN
C6109	NCB31HK-561X	C CAPACITOR	560pF 50V K	UN
C6110	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	UN
C6111	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	UN
C6112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	UN
C6113	QETN1CM-107Z	E CAPACITOR	100uF 16V M	UN
C6114	QETN1EM-476Z	E CAPACITOR	47uF 25V M	UN
C6115	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	UN
C6116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	UN
C6117	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	UN
C6118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	UN
C7112	NDC31HJ-200X	C CAPACITOR	20pF 50V J	
C7113	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C7206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7219	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7220	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C7222	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C7233	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7246	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7302	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7303	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7304	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C7305	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7400	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7402	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7500	QETN1HM-106Z	E CAPACITOR	10uF 50V M	A,UN
C7510	QETN1HM-106Z	E CAPACITOR	10uF 50V M	A,UN
C7603	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C7901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R1001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1020	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R1100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1103	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1105	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1107	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R1108	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R1109	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1112	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1113	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1115	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1116	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1117	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R1118	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R1119	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1121	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1300	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1301	NRSA63J-160X	MG RESISTOR	16Ω 1/16W J	
R1303	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1305	NRSA63J-160X	MG RESISTOR	16Ω 1/16W J	
R1310	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1311	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1312	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1313	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1314	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	
R1400	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R1401	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1402	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1403	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R1404	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1405	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1412	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1415	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1416	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1451	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1452	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1453	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1455	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R1456	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1457	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1458	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1459	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1460	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1501	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	UJ
R1503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	UJ
R1504	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	UJ
R1505	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	UJ
R1506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	UJ
R1507	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	UJ
R1508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	UJ
R1512	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	UJ
R1522	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	UJ
R1530	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	UJ
R2005	QRE141J-432Y	C RESISTOR	4.3kΩ 1/4W J	
R2006	QRE141J-432Y	C RESISTOR	4.3kΩ 1/4W J	
R2008	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R2009	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R2010	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R2011	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R2012	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R2013	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2014	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R2018	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R2047	QRE141J-364Y	C RESISTOR	360kΩ 1/4W J	
R2050	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	UN
R2051	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	UN
R2052	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	UN
R2053	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R2110	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R2111	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R2112	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R2113	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R2114	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R2118	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R2147	QRE141J-364Y	C RESISTOR	360kΩ 1/4W J	
R2150	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	UN
R2151	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	UN
R2152	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	UN
R2153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R2155	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	UN
R2200	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω	
R2201	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R2242	QRE141J-334Y	C RESISTOR	330kΩ 1/4W J	
R2250	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R2251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2260	QRE141J-124Y	C RESISTOR	120kΩ 1/4W J	
R2261	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2262	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R2263	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R2300	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2304	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2305	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2500	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2601	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2602	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2604	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2611	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2612	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2613	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4004	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4041	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R4043	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R4045	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R4047	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4048	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4049	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4050	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4055	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4210	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	UJ
R4212	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	UJ
R6000	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6001	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	UN
R6002	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	UN
R6003	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	UN
R6004	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	UN
R6005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6007	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	UN
R6008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	UN
R6011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6013	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	UN
R6014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6015	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	UN
R6101	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	UN
R6102	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	UN
R6104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	UN
R6105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6106	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	UN
R6107	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	UN
R6108	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	UN
R6109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R6113	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	UN
R6114	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	UN
R7003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UN
R7004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7006	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7029	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7030	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7060	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7066	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7074	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,UN
R7075	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	A,UN
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7093	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7094	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7096	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7104	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7105	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7106	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7108	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7121	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7122	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7123	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7124	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7125	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7126	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7128	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7129	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7130	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7133	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7135	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7136	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7137	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7138	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7139	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7140	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7142	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7143	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7144	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7148	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7149	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7150	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7151	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7160	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	UN
R7165	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7166	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7171	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,UN
R7173	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,UN
R7175	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,UN
R7178	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7180	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7181	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7188	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7190	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7191	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7193	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7194	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7196	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7197	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7198	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7199	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,UJ
R7203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	UN
R7209	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	UJ

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7221	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7223	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7224	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7227	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7273	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	A,UN
R7301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7305	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7373	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	A,UN
R7404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7405	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R7502	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	A,UN
R7512	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	A,UN
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7807	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7808	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7900	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R7901	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R7902	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R7903	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
VR601	QVQ0306-B24	V RESISTOR		UN
L1400	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7001	QQL244K-100Z	COIL	10uH K	
CN100	QGF1205F2-12	CONNECTOR	FFC/FPC (1-12)	
CN110	QGF1205F2-12	CONNECTOR	FFC/FPC (1-12)	
CN111	QGF1205F2-17	CONNECTOR	FFC/FPC (1-17)	
CN401	QGF1205F2-10	CONNECTOR	FFC/FPC (1-10)	
CN402	QGF1205F2-04	CONNECTOR	FFC/FPC (1-4)	
CN405	QGA2501F1-02	CONNECTOR	W-B (1-2)	UJ
CN601	QGF1205F2-05	CONNECTOR	FFC/FPC (1-5)	UN
CN701	QGB2510J1-11	CONNECTOR	B-B (1-11)	
CN702	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN703	QGF1205C2-05	CONNECTOR	FFC/FPC (1-5)	
CN704	QGF1205F2-13	CONNECTOR	FFC/FPC (1-13)	
CN705	QGF1205C2-04	CONNECTOR	FFC/FPC (1-4)	
CN706	QGF1205C2-17	CONNECTOR	FFC/FPC (1-17)	
CN707	QGF1205C2-05	CONNECTOR	FFC/FPC (1-5)	UN
CN708	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN709	QGF1210G1-05	CONNECTOR	FFC/FPC (1-5)	
CN710	QGF1205C2-17	CONNECTOR	FFC/FPC (1-17)	A,UN
CN712	QGF1205C2-11	CONNECTOR	FFC/FPC (1-11)	
CN713	QGA2001C1-14	CONNECTOR	W-B (1-14)	
EP100	QNZ0136-001Z	EARTH PLATE		
EP101	QNZ0136-001Z	EARTH PLATE		
FL100	QLF0174-001	FL TUBE		
FW110	QJP019-025100-E	WIRE		UJ
FW120	QUM023-36DGZ4-E	WIRE		UJ
FW121	QUM025-36DGZ4-E	WIRE		
FW130	QJK043-145430-E	WIRE		
J230	QNN0780-001	PIN JACK		
J1200	QNS0173-002	HEADPHONE JACK		
J1300	QNZ0783-002	USB CONNECTOR		
J1400	QNS0173-002	HEADPHONE JACK		
J1410	QNS0173-002	HEADPHONE JACK		
J1500	QNN0776-001	PIN JACK		UJ
J4001	QNN0779-001	VIDEO JACK		
J4002	QNN0557-002	PIN JACK		
J6001	QNS0173-001	JACK		UN
JS110	QSW1060-001	ROTARY SW		
K1300	NQR0505-001X	RES. C.M		
K1301	NQR0505-001X	RES. C.M		
K1302	NQR0505-001X	RES. C.M		
K1303	NQR0505-001X	RES. C.M		
K1304	NQR0505-001X	RES. C.M		
K1305	NQR0505-001X	RES. C.M		
K1306	NQR0505-001X	RES. C.M		
K2501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6001	QQR0621-001Z	COIL		UN
K6002	QQR0621-001Z	COIL		UN
K6003	QQR0621-001Z	COIL		UN
K6004	QQR0621-001Z	COIL		UN
K7001	QQR1277-001Z	COIL		
K7002	QQR1277-001Z	COIL		
S1100	QSW0683-001Z	PUSH SW I.M		
S1101	QSW0683-001Z	PUSH SW I.M		
S1102	QSW0683-001Z	PUSH SW I.M		
S1103	QSW0683-001Z	PUSH SW I.M		
S1104	QSW0683-001Z	PUSH SW I.M		
S1105	QSW0683-001Z	PUSH SW I.M		
S1106	QSW0683-001Z	PUSH SW I.M		
S1107	QSW0683-001Z	PUSH SW I.M		
S1108	QSW0683-001Z	PUSH SW I.M		
S1109	QSW0683-001Z	PUSH SW I.M		
S1110	QSW0683-001Z	PUSH SW I.M		
S1111	QSW0683-001Z	PUSH SW I.M		
S1112	QSW0683-001Z	PUSH SW I.M		
S1113	QSW0683-001Z	PUSH SW I.M		
S1114	QSW0683-001Z	PUSH SW I.M		
S1115	QSW0683-001Z	PUSH SW I.M		
S1116	QSW0683-001Z	PUSH SW I.M		
S1117	QSW0683-001Z	PUSH SW I.M		
S1118	QSW0683-001Z	PUSH SW I.M		
S1119	QSW0683-001Z	PUSH SW I.M		
S1120	QSW0683-001Z	PUSH SW I.M		
S1121	QSW0683-001Z	PUSH SW I.M		
X1300	QAX0724-001Z	CRYSTAL	12.000000MHz	
X7001	QAX0711-002Z	CRYSTAL	8.000000MHz	

DVD servo board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0009AA	IC		
IC302	MM1701CH-X	IC		
IC305	MM1563BF-X	IC	3.1V Regulator	
IC451	MN101C61GNW	IC		
IC452	BR93L56RFV-W-X	IC		
IC453	S-80827CNNB-G-W	IC		
IC505	K4S641632H-UC75	IC		
IC505 or	K4S641632H-TC75	IC(DIGITAL)		
IC505 or	HY57V641620ETP7	IC(DIGITAL)		
IC509	SG32M90TFIR3	IC(MICRO C ROM)		
IC510	BR24L16FV-W-X	IC		
IC701	AK4384VT-X	IC		
IC701 or	AK4384ET-X	IC		
IC705	MM1615AN-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
Q105 or	KRA116S-X	TRANSISTOR		
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C301	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C311	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C313	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C315	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C329	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C373	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C374	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C376	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C377	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C378	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C386	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C451	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C453	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C454	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C556	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C701	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C702	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C703	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C709	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C712	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C713	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C714	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C722	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R301	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R327	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R342	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R348	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R349	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R350	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R375	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R378	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R452	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R453	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R454	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R455	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R456	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R457	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R463	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R465	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R703	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R704	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R717	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
CN101	QGF0523F3-25W	CONNECTOR	FFC/FPC (1-25)	
CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN451	QGF1016F2-15W	CONNECTOR	FFC/FPC (1-15)	
CN452	QGA2001F6-02X	CONNECTOR	W-B (1-2)	
CN453	QGA2001F6-03X	CONNECTOR	W-B (1-3)	
CN701	QGF1016F2-28W	CONNECTOR	FFC/FPC (1-28)	
CN702	QGF1016F2-10W	CONNECTOR	FFC/FPC (1-10)	
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K456	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K501	NQR0502-001X	FERRITE BEADS		
K710	NQR0022-002X	FERRITE BEADS		
K732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K734	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K735	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K736	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K738	NQR0022-005X	FERRITE BEADS		
K744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K749	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K750	NQR0022-002X	FERRITE BEADS		
K752	NQR0022-002X	FERRITE BEADS		
K754	NQR0022-002X	FERRITE BEADS		
K756	NQR0022-002X	FERRITE BEADS		
K758	NQR0022-002X	FERRITE BEADS		
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL		
X451	NAX0248-001X	C OSCILLATOR	8.000MHz	

Loading board

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC		
IC2	LB1641	IC		
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C2	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C3	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C5	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C6	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C7	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
CN1	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
CN2	QGB2024K1-07S	CONNECTOR	B-B (1-7)	
CN3	QGB2024J1-07S	CONNECTOR	B-B (1-7)	
SW1	QSW0844-002	PUSH SWITCH		
SW2	QSW0844-002	PUSH SWITCH		
SW3	QSW0844-002	PUSH SWITCH		
SW4	QSW0844-002	PUSH SWITCH		
SW5	QSW0844-002	PUSH SWITCH		
SW6	QSW0854-002	PUSH SW		
SW8	QSW0923-001	DETECT SWITCH		

Cassette board

Block No. [0][5]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC200	HA12238F-E	IC		A,UN
Q110	KTA1271/OY/-T	TRANSISTOR		A,UN
Q111	KRC107S-X	DIGI TRANSISTOR		A,UN
Q120	KTA1296/Y/-T	TRANSISTOR		A,UN
Q121	KRC107S-X	DIGI TRANSISTOR		A,UN
Q200	KRA102S-X	DIGI TRANSISTOR		A,UN
Q201	KTC2876-T	TRANSISTOR		A,UN
Q202	KTC2876-T	TRANSISTOR		A,UN
Q203	KTC2876-T	TRANSISTOR		A,UN
Q204	KTC2876-T	TRANSISTOR		A,UN
Q205	KRC107S-X	DIGI TRANSISTOR		A,UN
Q206	KRC107S-X	DIGI TRANSISTOR		A,UN
Q300	KTC3203/OY/-T	TRANSISTOR		A,UN
Q301	KTC3203/OY/-T	TRANSISTOR		A,UN
D121	1N4003S-T5	SI DIODE		A,UN
C110	QETN1HM-106Z	E CAPACITOR	10uF 50V M	A,UN
C122	QETN1CM-107Z	E CAPACITOR	100uF 16V M	A,UN
C202	NCB31HK-122X	C CAPACITOR	1200pF 50V K	A,UN
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	A,UN
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	A,UN
C205	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	A,UN
C206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	A,UN
C207	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	A,UN
C209	QETN1AM-227Z	E CAPACITOR	220uF 10V M	A,UN
C210	QETN1HM-105Z	E CAPACITOR	1uF 50V M	A,UN
C211	QETN1HM-106Z	E CAPACITOR	10uF 50V M	A,UN
C212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	A,UN
C213	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	A,UN
C214	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	A,UN
C215	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	A,UN
C216	NCB31HK-221X	C CAPACITOR	220pF 50V K	A,UN
C219	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	A,UN
C220	QETN1HM-226Z	E CAPACITOR	22uF 50V M	A,UN
C221	QETN1HM-105Z	E CAPACITOR	1uF 50V M	A,UN
C222	QETN1HM-226Z	E CAPACITOR	22uF 50V M	A,UN
C223	QDXB1CM-682Y	C CAPACITOR	6800pF 16V M	A,UN
C224	QDXB1CM-682Y	C CAPACITOR	6800pF 16V M	A,UN
C225	NCB31HK-122X	C CAPACITOR	1200pF 50V K	A,UN
C226	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	A,UN

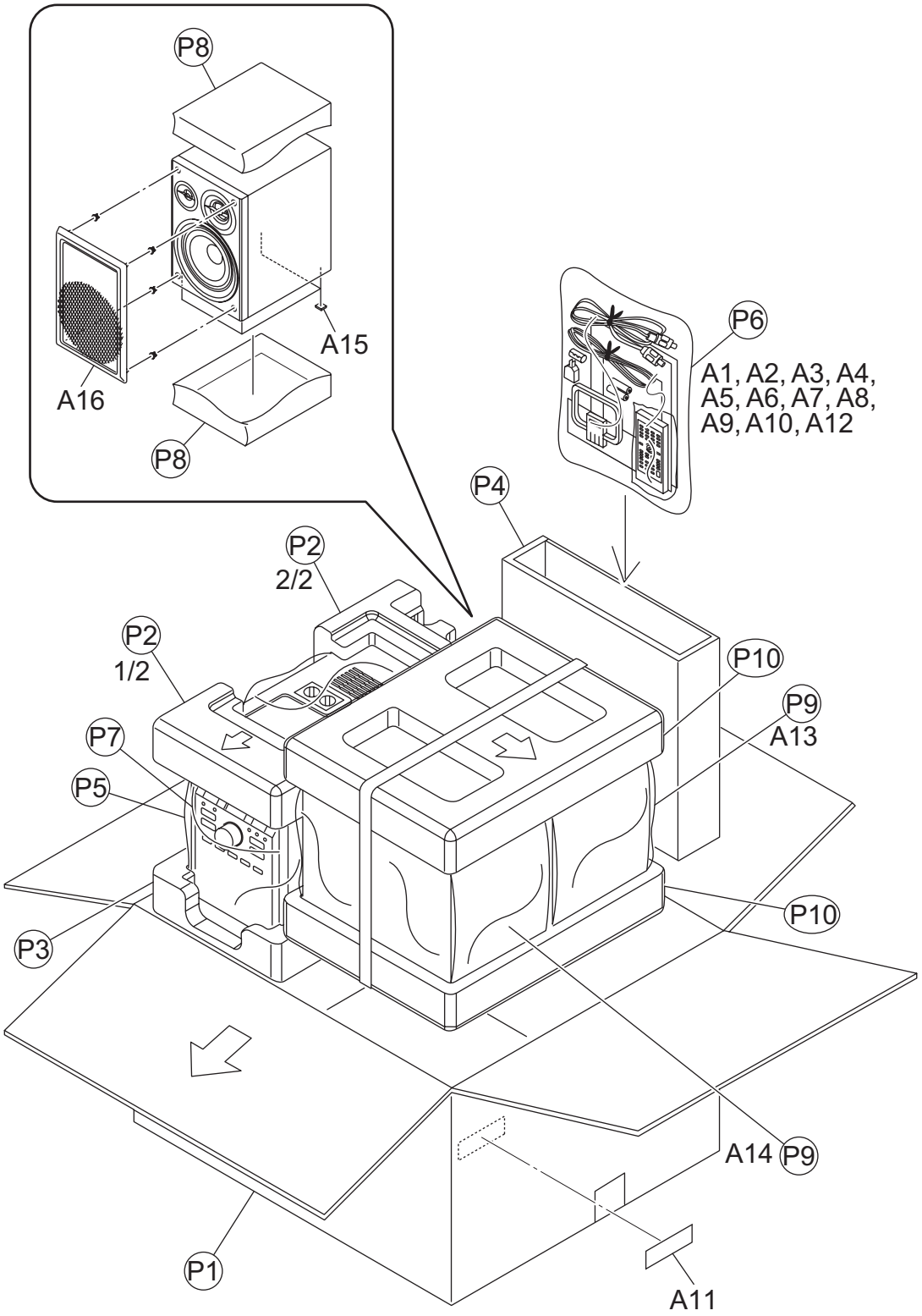
⚠ Symbol No.	Part No.	Part Name	Description	Local
C227	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	A,UN
C228	QETN1CM-107Z	E CAPACITOR	100uF 16V M	A,UN
C231	NCB31HK-221X	C CAPACITOR	220pF 50V K	A,UN
C300	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	A,UN
C301	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	A,UN
C303	QFG32AJ-273Z	PP CAPACITOR	0.027uF 100V J	A,UN
C304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	A,UN
C306	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	A,UN
C307	QDXB1CM-152Y	C CAPACITOR	1500pF 16V M	A,UN
R110	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	A,UN
R123	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	A,UN
R200	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	A,UN
R201	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	A,UN
R202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	A,UN
R203	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	A,UN
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	A,UN
R205	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	A,UN
R206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,UN
R207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	A,UN
R208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	A,UN
R209	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	A,UN
R210	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	A,UN
R211	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	A,UN
R212	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	A,UN
R213	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	A,UN
R214	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	A,UN
R215	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	A,UN
R216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,UN
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,UN
R218	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	A,UN
R219	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	A,UN
R220	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	A,UN
R221	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	A,UN
R222	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	A,UN
R223	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	A,UN
R224	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	A,UN
R225	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	A,UN
R226	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	A,UN
R227	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	A,UN
R300	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	A,UN
R301	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	A,UN
⚠ R302	QRZ9005-100X	FUSI RESISTOR	10Ω	A,UN
R303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	A,UN
R304	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	A,UN
R305	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	A,UN
⚠ R306	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	A,UN
R307	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	A,UN
R308	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	A,UN
VR300	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	A,UN
L300	QQR1118-002	OSC COIL(BIAS)		A,UN
L301	QQL244K-100Z	COIL	10uH K	A,UN
CN100	QGF1205F2-17	CONNECTOR	FFC/FPC (1-17)	A,UN
CN110	QGF1205F2-06	CONNECTOR	FFC/FPC (1-6)	A,UN
CN200	QGB2021L1-06	CONNECTOR	B-B (1-6)	A,UN

< MEMO >

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0181-012A	INST BOOK	ENG	A
	A 1	GVT0181-015A	INST BOOK	ENG	UJ
	A 1	GVT0181-008A	INST BOOK	ENG	UN
	A 2	GVT0181-009A	INST BOOK	CHI(PEKIN)	UN
	A 3	GVT0194-001A	INST. SHEET		UN
	A 4	RM-SUXG70A	REMOCON		A
	A 4	RM-SUXG70J	REMOCON		UJ
	A 4	RM-SUXG70U	REMOCON		UN
	A 5	----------	BATTERY	1.5V(x2)	
⚠	A 6	QAM0112-002	CONVERSION PLUG		UJ,UN
	A 7	QQR1607-001	FERRITE CLAMP	(x2)	
	A 8	QAM0216-001	VIDEO CABLE		
	A 9	QAL0014-003	AM LOOP ANT		
	A 10	QAL0457-001	ANT.WIRE		
	A 11	LE40796-001A	VERANCE LABEL		
	A 12	----------	WARRANTY CARD	BT-56012-1	A
	A 13	UXG70E-SPBOX-R	SPEAKER BOX		
	A 14	UXG70E-SPBOX-L	SPEAKER BOX		
	A 15	LEC-00008-00	RUBBER CUSHION	(x8)	
	A 16	NEF-30040-00	SPK NET ASSY	(x2)	
	P 1	GV20438-003A	CARTON BOX		A
	P 1	GV20438-007A	CARTON BOX		UJ
	P 1	GV20438-004A	CARTON BOX		UN
	P 2	GV10335-001A	CUSHION TOP		
	P 3	GV10336-001A	CUSHION BOTTOM		
	P 4	GV30918-001A	CARTON SPACER		
	P 5	QPC05006530P	POLY BAG	50cm x 65cm	
	P 6	QPC02503515P	POLY BAG	25cm x 35cm	
	P 7	GV40437-004A	CLOTH		
	P 8	MRS-J0001-00	MIRAMAT SHEET	(x4)	
	P 9	PLB-J0001-00	POLY BAG	(x2)	
	P 10	PLF-10050-00	CUSHION	(x2)	